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REPORT

OF THE

First Industrial Exhibition

OF THE

MECHANICS' INSTITUTE

OF THE

CITY OF SAN FRANCISCO,

HELD AT THE

PAVILION OF THE INSTITUTE,

From the 7th to the 26th September, A. D. 1857;

TO WHICH IS PREFIXED A

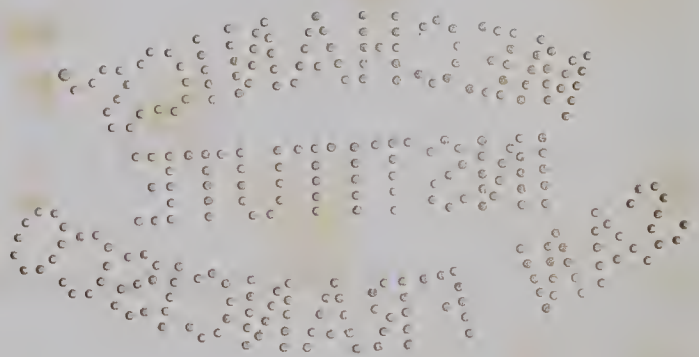
BRIEF OUTLINE OF THE ORIGIN AND PROGRESS OF THE ASSOCIATION,
WITH ITS CONSTITUTION, BY-LAWS ETC.

SAN FRANCISCO:

PRINTED AT THE FRANKLIN OFFICE,

Washington St., nearly opposite the Post Office.

1858.



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PREFACE.

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THE first meeting of the Mechanics of the City of San Francisco, for the purpose of organizing the association now known as the Mechanics' Institute, was held at the office of the City Tax Collector, in the City Hall, on the evening of the eleventh day of December, 1854. At this assembly, Mr. GEORGE K. GLUYAS presided, Mr. RODERICK MATHESON acted as Secretary, and Messrs. BENJAMIN HAYWOOD, RODERICK MATHESON, JOHN S. WILLIAMS, E. T. STEEN, and HENRY E. CARLTON, were appointed to draft a Constitution and By-Laws for the proposed association.

On the sixth day of March, 1855, that committee reported the following Constitution, which was adopted:

CONSTITUTION

FOR THE GOVERNMENT OF THE MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO.

ARTICLE I.—NAME AND OBJECT.

SECTION 1. This Association shall be known as the "MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO," and shall have for its object the establishment of a Library, Reading Room, the collection of a Cabinet, Scientific Apparatus, Works of Art, and for other literary and scientific purposes.

SEC. 2. The Directors shall hereafter be called and known by the name of the Directors of the Mechanics' Institute of the City of San Francisco.

ARTICLE II.—CAPITAL STOCK.

SECTION 1. The capital stock of this Institution shall be seventy-five thousand dollars, or such further sum as may be fixed upon hereafter, (in shares of twenty-five dollars each,) which shall be invested in the purchase of a suitable lot in the City of San Francisco, and the erection thereon of a proper building or hall for the use of said Institute, and in the purchase of books, magazines, maps, charts, and scientific apparatus.

SEC. 2. The shares of stock shall be signed by the President and Secretary, and countersigned by the Treasurer of the Institute.

ARTICLE III.—MEMBERSHIP.

SECTION 1. Any person may become a stockholder in this Institute, by purchasing at least one share therein, and paying one dollar and fifty cents quarterly in advance.

SEC. 2. Any person may become a subscribing member, by paying an initiation fee of five dollars, and one dollar and fifty cents quarterly in advance, with all the privileges of a stockholder, except the right to vote and hold office.

SEC. 3. Both stockholders and subscribing members shall sign the Constitution and By-Laws of the Institute.

SEC. 4. If the dues of any member remain unpaid for the term of six months, his privileges and rights of membership shall be forfeited, unless his delinquency be excused by the Board of Directors.

SEC. 5. Persons may be elected honorary members at a regular meeting of the Institute, and shall be entitled to all the privileges of regular membership, except the right to vote and hold office.

SEC. 6. Any person not a stockholder may become a life member by paying fifty dollars, and enjoy all the privileges of membership except the right to vote and hold office.

SEC. 7. All members eligible to office must be Mechanics, Manufacturers, Artists, Engineers, or engaged in some mechanical pursuit, and citizens of San Francisco.

ARTICLE IV.—ELECTIONS.

SECTION 1. All elections shall be by ballot, and be made by such of the members as shall attend for that purpose, in person. Each member shall be entitled to but one vote in the election of officers of this Institute, and the person or persons having the highest number of votes shall be declared elected.

SEC. 2. Each member shall be entitled to one vote for every share of stock which he may hold, on all questions which involve the expenditure of moneys, not otherwise provided for.

SEC. 3. The election of the President, Vice President, Treasurer, Secretaries, and Board of Directors, shall take place annually, on the first Friday in March of each year; and shall be held under the superintendence of three Judges selected from the members by the Board of Directors for the time being. At least twenty days' notice shall be given of such election in two of the city papers.

SEC. 4. In case the election of officers should not take place on the day fixed by the Constitution, it shall be the duty of the Board for the time being to give notice of an election to take place as soon thereafter as practicable, from the date of the day upon which the election should have been held; and in such case the officers of the Institute shall remain in office until such election has been held, and their successors appointed.

SEC. 5. The officers of this Institute shall enter upon the performance of their duties on the Thursday next succeeding their election.

SEC. 6. Librarians and subordinate officers shall be appointed by the Board of Directors, to hold office during the pleasure of the Board of Directors.

ARTICLE V.—COMPENSATION.

SECTION 1. No pecuniary compensation shall be allowed to the President, Vice President, or the Board of Directors.

SEC. 2. Librarians, subordinate officers, and Clerk, shall be allowed such compensation as the Board of Directors, from time to time, may determine upon.

ARTICLE VI. — VACANCIES.

SECTION 1. In case any vacancies occur in the Board of Directors, the President shall immediately order an election to fill the same.

ARTICLE VII. — OFFICERS.

SECTION 1. The officers of this Institute shall be a President, Vice President, Corresponding Secretary, Recording Secretary, Treasurer, and seven Directors, to be elected annually.

SEC. 2. The President shall preside at all meetings of the Institute and of the Board of Directors, and preserve order; and, in case of an equal division of members upon any question, shall give the casting vote.

SEC. 3. The President shall have the power to call special meetings of the Board of Directors, and of the Institute, whenever he may deem it desirable.

SEC. 4. The President, at the expiration of his term of office, or oftener, if so requested by the Institute, shall make a written report of the general doings of the Institute, and suggest such means as may seem to him best calculated to promote its prosperity.

SEC. 5. The Vice President shall preside and perform all the duties of the office of President, in the absence or disqualification of that officer.

SEC. 6. The Corresponding Secretary shall be the organ of the Institute in its conference with other societies and the public. He shall make a record of all letters written by him, in a book kept for that purpose.

SEC. 7. The Recording Secretary shall affix his name to all the advertisements and notices emanating from the Board of Directors, or from the Institute. He shall attend all meetings, and, in the absence of the President and Vice President, shall call the same to order, and shall truly and at large record the proceedings of the Board of Directors, together with the proceedings of the Institute, in books kept for that purpose.

SEC. 8. The Treasurer shall take charge of all the funds of the Institute, (except the property invested in the name of the Board of Directors,) subject to the order of the majority of the Board of Directors, signed by the President and Secretary. He shall make a monthly report, exhibiting in detail his receipts and disbursements, and the balance in the treasury, and if invested, how. And for the better security of the trust confided to him, he shall give to the Board of Directors a bond in the sum of three thousand dollars, with two sureties, to be approved of by the Board of Directors, who shall have power to increase the bond as they may deem proper. He shall keep a regular account of the financial affairs of the Institute, an abstract of which, accompanied by satisfactory vouchers, he shall exhibit at each annual meeting. On resigning or being suspended from office, he shall hand over to his successor all books vouchers, moneys and papers of the Institute in his possession.

SEC. 9. The Board of Directors shall be vested with full power to appropriate funds, enact by-laws, and conduct the affairs of the Institute: *Provided*, however, that no appropriation of more than three hundred dollars for any one object shall be made without a vote of the Institute.

SEC. 10. A removal from this State shall disqualify an officer from exercising the duties of his office, and shall be equivalent to a tender of his resignation.

ARTICLE VIII. — MEETINGS.

SECTION 1. There shall be an annual meeting of the Institute on the first Wednesday in February, for the purpose of receiving the report of the Treasurer and Board of Directors, exhibiting the state of the Library, finances and property, and for the transaction of such other business as may be presented.

SEC. 2. At all the meetings of the Institute, at least fifteen members must be present for the transaction of business.

SEC. 3. There shall be meetings of the Institute on the first Friday in every month, at such hour as the Board of Directors may designate.

SEC. 4. The President, at the request of the Board of Directors, or by the written request of ten members, stating the reason therefor, shall call a meeting of the Institute for transacting special business, giving three days' notice thereof.

ARTICLE IX. — FINANCES.

SECTION 1. The funds arising from assessments, contributions, lectures, and other sources not herein named, shall be appropriated to the purchase of books, payment of current expenses, and otherwise, as the Board of Directors shall from time to time direct.

SEC. 2. All orders, drafts, and other documents affecting the funds of the Institute, must be authorized by a majority of the Directors, and signed by the President and Secretary.

SEC. 3. No liability shall be incurred by the stockholders or Board of Directors, unless the amount so appropriated be actually in the treasury to meet such appropriation.

SEC. 4. When any appropriation of one thousand dollars or more is required, it shall be necessary for a majority of the stockholders to be represented.

ARTICLE X. — NEGLECT OF OFFICIAL DUTY.

SECTION 1. In case of flagrant official misconduct, or neglect of duty on the part of a member of the Board, the Directors shall have power, by a vote of two thirds of their members, to expel the offending member; from which action, however, an appeal shall be allowed to a called meeting of the Institute, which shall ratify or annul the proceedings of the Board of Directors, as the circumstances of the case may warrant.

ARTICLE XI. — EXPULSIONS.

SECTION 1. If any member shall wantonly create a disturbance at any meeting of the Institute, or devise or take part in any measure designedly to injure the Institute, or shall purposely deface the books, building, rooms, or appurtenances thereof, on written complaint of five members, a meeting shall be held, and the matter referred to a committee of three members, who shall investigate the charges and report at a future meeting of the Institute; when, if the charges are sustained, he shall be reprov'd or deprived of membership—always allowing the accused ample opportunity to excuse or extenuate his character and conduct.

ARTICLE XII. — ALTERATIONS AND AMENDMENTS.

SECTION 1. This Constitution shall not be altered or amended, unless by the vote of two-thirds of the members present at a stated meeting, notice being given one month previously for that purpose.

On the twenty-ninth day of March, 1855, a permanent organization was effected, and the following officers were the first elected:—

BENJAMIN HAYWOOD, PRESIDENT.

JOHN SIME,..... *Vice President.* P. B. DEXTER,..... *Rec. Sec'y.*
J. W. BROOKS,... *Treasurer.* WM. M. LAROCHE,..... *Cor. Sec'y.*

Directors:

GARDNER ELLIOTT,
S. H. WILLIAMS,
JOHN C. MACREDY,

GEORGE COFRAN,
JAMES BALLENTINE.
ELI COOK,

S. C. BUGBEE.

On the twelfth day of April, next succeeding, the association adopted the following By-Laws, Rules of Order, and Regulations for the Library and Reading Rooms:—

BY-LAWS

OF THE MECHANICS' INSTITUTE.

ARTICLE I.—BOARD OF DIRECTORS.

SECTION 1. Stated semi-monthly meetings of the Board shall be held at the rooms of the Institute, on Saturday evening, (unless otherwise ordered,) at half past seven o'clock.

SEC. 2. The President may call special meetings at any time, and any three members, if they desire, may also have a special meeting convened through the President. Five members of the Board shall constitute a quorum.

SEC. 3. On taking the chair, the President shall call the Board to order, and the Secretary shall call over the list of members alphabetically, noting the absentees, when he shall read the minutes of the last meeting.

ARTICLE II.—COMMITTEES.

SECTION 1. At the first meeting after the election of the Board, or as soon thereafter as may be, the President shall appoint the Standing Committees of the Board. They shall be as follows, and consist of three members each:—

First—Committee on Library, Reading Room, and Buildings;

Second—Committee on Ways and Means, and Accounts;

Third—Committee on Books and Donations;

each of which Committees shall report quarterly.

SEC. 2. It shall be the duty of the Committee on Ways and Means and Accounts to examine, from time to time, into the finances of the Board; to see that all dues are paid; to devise ways by which the means of the Institute may be increased; to take into consideration any reports or propositions relating to the treasury; and generally to have a supervision over the financial department of the Institute, and to examine the Treasurer's accounts, and certify to the correctness of the same, and that the money is actually paid where it purports to be. The Treasurer's books shall be open at all times to this Committee, to the President of the Board, and also to any member of the Directory.

SEC. 3. It shall be the duty of the Committee on Library, Reading Room and Buildings, to procure suitable and convenient rooms, and have them properly fitted up and furnished, as the wants of the Institute may require ; and it shall have a general supervision of the rooms, furniture and books, see that they are properly arranged, and the room is properly cleaned and kept in good order, and report to the Board, from time to time, on the state and condition of the same.

SEC. 4. It shall be the duty of the Committee on Books and Donations to examine and report upon suitable books for the Library, and works of art and other things for the Cabinet ; to acquire these by purchase ; to solicit and accept donations of books and other articles applicable to the Library, Reading Room and Cabinet ; and to recommend, from time to time, (when the finances will warrant,) the purchase of new works ; and to take into consideration such matters as shall be referred to it by the Board.

SEC. 5. All special committees not provided for by the Constitution shall be appointed by the President, unless otherwise ordered by the Institute.

ARTICLE III.—LIBRARIAN.

SECTION 1. The Librarian shall be appointed by the Board of Directors ; and for the moneys, books, and other property, temporarily committed to his charge, he shall file with the President a legal bond, with one or more sureties, approved by the Board of Directors, in the sum of one thousand dollars, which bond shall be increased at the pleasure of the Board.

SEC. 2. He shall endeavor, in all suitable ways, to increase the number of subscribers, and collect their subscriptions ; and, for all moneys coming into his hands, belonging to the Institute, he shall account to the Treasurer on the first Monday in each month throughout the year, or oftener if required, taking duplicate receipts of the Treasurer for the same ; one of which duplicates shall be filed with the Committee on Ways and Means, monthly.

SEC. 3. It shall be his special duty to be courteous, kind, accommodating, and gentlemanly to any one who enters the Library and Reading Room ; and, while firmness is strictly enjoined on him to carry out all the regulations of the Reading Room and Library, he must be careful to avoid all personal official difficulty with any one who enters the Library, or in endeavoring to collect the subscriptions or dues of members.

SEC. 4. The keys of the Library and Reading Room shall be in his possession, and in case of sickness, or neglect of duty, he shall deliver the keys to the President, who will then be authorized to appoint a temporary Librarian.

SEC. 5. He shall be punctual in opening and shutting the Reading Room at the hours named in the Rules, and these hours shall be exclusively devoted to the interests of the Institute, to the exclusion of all private business of his own. He shall cause the room or rooms to be properly warmed and ventilated, and the books, tables and chairs kept free from dust.

ARTICLE IV.—DEEDS AND PAPERS.

SECTION 1. All deeds, leases, bonds, contracts, and other valuable papers, shall be deposited in the hands of the President of the Institute, which, in the

event of his resignation or death, shall be placed in the hands of the Vice President, who, on the new President coming into office, shall deposit them with him.

ARTICLE V.—ELECTIONS.

SECTION 1. All elections or appointments made by the Board of Directors, shall be by ballot.

ARTICLE VI.—AMENDMENTS.

SECTION 1. These By-Laws shall be amended, altered, or suspended, only at a stated meeting of the Board of Directors, notice thereof having been proposed in writing at the previous stated meeting, and shall only be enacted by a majority of all the members elect voting for them.

RULES OF ORDER

FOR THE REGULATION OF PROCEEDINGS IN THE INSTITUTE AND
BOARD OF DIRECTORS.

SECTION 1. The President shall preserve order and decorum ; he may speak to points of order in preference to members, and shall decide questions of order, subject to appeal, as is usual.

SEC. 2. When any member is about to speak, he shall address the President, and confine himself strictly to the question under discussion.

SEC. 3. When a motion or resolution is made, it shall be handed, if in writing, to the Secretary, and by him re-read, before it is debated ; and every resolution shall be reduced to writing, if the chairman order it or a member desire it.

SEC. 4. No new motion or proposition shall be admitted under color of amendment, as a substitute for the motion or resolution under debate. Any member, however, may call for a division of the question when the sense admits of it.

SEC. 5. When a question is under debate, no motion or proposition shall be received, but to adjourn, to lie on the table, for the previous question, to postpone indefinitely, to postpone to a given day, to commit, to amend—which several motions shall take precedence in the order as here arranged. Motions to adjourn shall always be in order, except when a member is speaking, and shall be put without debate.

SEC. 6. If at any meeting a member doubt the decision of a vote, he may call for a division, and the members voting on each side shall then be counted by tellers appointed for that purpose by the President, and the result declared by him.

SEC. 7. No member who did not vote with the majority on any question, shall move the reconsideration of the vote.

SEC. 8. Voting by proxy shall not be allowed.

SEC. 9. A motion for amendment, until decided, shall preclude further amendments of the main question.

SEC. 10. Motions and reports may be committed, at the pleasure of the meeting.

SEC. 11. All questions shall be propounded in the order in which they are moved ; and in filling blanks, the largest sum and the longest time shall be put first. Reconsideration of questions can only be had at a first subsequent meeting.

SEC. 12. The yeas and nays shall be entered on the minutes at the call of any two members.

SEC. 13. The meeting may resolve itself into a Committee of the Whole at any time, when propositions made shall not be entered on the journal, without they are carried in committee ; and when in committee, the President shall leave the chair and appoint a chairman.

SEC. 14. If, at any meeting of the Institute, questions should arise that are not treated upon above, they shall be decided upon by appeal to "Cushing's Manual."

REGULATIONS FOR THE LIBRARY.

SECTION 1. The Library shall be open every day throughout the year, from 10 o'clock, A. M., until 10 o'clock, P. M., (unless otherwise ordered by the Board,) Sundays, Fourth of July, Thanksgiving Day, Christmas, and New Year excepted.

SEC. 2. The Librarian shall keep a full and accurate catalogue of all the books, magazines, maps, charts, and works of art belonging to the Institute, and arrange them in proper order ; he shall make a record of all books and other donations presented to the Institute, in a book provided for that purpose, with the names of the donors, and make suitable acknowledgments of the same.

SEC. 3. He shall register in a book prepared for that purpose, and to be kept in the Library-room, the name of each member of this Institute, and shall in no case deliver a book to any member until the name of such member shall have been so registered.

SEC. 4. He shall enter, in a book kept for that purpose, the title of every volume delivered by him ; the name of the person to whom delivered ; the time of taking and returning the same, together with the forfeitures arising from every default.

SEC. 5. He shall collect all dues and forfeitures incurred by the members, and account for the same to the Treasurer, as herein before provided.

SEC. 6. He shall submit to the Board of Directors a monthly report, stating the amount of moneys received and expended by him ; report the names of such members as may refuse to pay their dues and forfeitures, or lose or damage any book belonging to the Library ; the names of all delinquents, with the amount of dues remaining unpaid ; and recommend the adoption of such measures as he may judge necessary for the greater efficiency and usefulness of the Institute.

SEC. 7. He shall suffer no person, *excepting members of the Board*, to remove a book from its place in the Library, without his permission.

SEC. 8. He shall replace the books in proper order upon the shelves, as soon as may be after they are returned, having first examined them with care, and ascertained whether they have been injured or defaced.

SEC. 9. He shall see that the books, Library and Reading-Room are kept in

good order ; he shall duly observe the instructions which may be given him by the Board of Directors, and take care that the regulations relative to the loaning of books be strictly adhered to.

SEC. 10. He shall ascertain, during the months of January, April, July, and October, by examination of the account of each member, the book or books not then returned to the Library ; and shall cause the same to be procured of the members in default.

SEC. 11. He shall deliver to any member applying personally, or to his written order, one volume if it be a folio or quarto, and two if an octavo or duodecimo, or volume of less size.

SEC. 12. Every member may detain each book or set delivered as aforesaid, if it be a folio or quarto, four weeks ; an octavo, three weeks ; or a book or set of less size, two weeks ; except new publications, which, until they shall have been in the Library two months, shall not be detained, an octavo longer than two weeks, and books of less size one week, and which shall not be renewed. No book shall be reserved by the Librarian for any Director or member.

SEC. 13. Any member who shall detain a book or set longer than the time above limited, respectively, shall forfeit and pay to the Librarian, for every day a volume is so detained, if it be a folio, twenty cents ; a quarto, fifteen cents ; an octavo, ten cents ; if it be a duodecimo, or smaller volume or pamphlet, five cents.

SEC. 14. If any member lose or injure a book, he shall make the same good to the Librarian ; and if the book lost or injured be one of a set, he shall pay to the Librarian, for the use of the Institute, the full value of the said set, and may thereupon receive the remaining volumes as his property.

SEC. 15. No member shall be permitted to receive a book from the Library until he shall have paid all sums due from him to the Institute, and made good all damages and losses which he may have occasioned.

SEC. 16. Books of reference, and such others as may, from time to time, be specially designated by the Board, shall not be taken from the Library, except by special permission of a member of the Board of Directors : *Provided, however,* that newspapers, encyclopædias, dictionaries, and atlases, shall in no case be taken from the Library-Room.

SEC. 17. Any member wishing to withdraw from the Institute, must inform the Librarian of it, see that his resignation is registered, and pay up his dues and fees ; or he will be considered as continuing a member, and charged accordingly, unless otherwise ordered by the Board of Directors.

REGULATIONS FOR THE READING-ROOM.

SECTION 1. The Reading-Room shall be opened every day throughout the year, from nine o'clock, A. M., until ten o'clock, P. M., unless otherwise ordered by the Board.

SEC. 2. Loud conversation and smoking shall not be allowed, except in a room set apart for those purposes.

SEC. 3. No member shall assume the liberty of arranging the books of the

Library, or periodicals upon the tables, or performing any of the duties that devolve upon the Librarian.

SEC. 4. None but members shall be allowed the privilege of the Reading-Room, unless introduced by a member of the Institute.

SEC. 5. Any member may have the privilege of introducing a friend, not a resident of the city, whose name shall be registered by the Librarian in a book kept for that purpose, and who shall receive a ticket of admission to the Reading-Room for the term of four weeks.

SEC. 6. No member shall be allowed the privilege of the Reading-Room, unless all dues and forfeitures incurred are liquidated.

SEC. 7. No member shall be allowed to remove papers from the files, or books, plates, or periodicals, from the Reading-Room.

SEC. 8. Any member who shall mutilate the periodicals or papers placed on the files or tables in the Reading-Room, or remove them therefrom, shall be liable to fine and expulsion.

SEC. 9. No member, except of the Board of Directors, shall be allowed inside the Bar of the Library-Room.

SEC. 10. The Reading-Room may be occupied exclusively by ladies, and gentlemen accompanying ladies, between the hours of twelve and two, P. M.

SEC. 11. Should a member transgress any article in these Regulations, he shall be reported to the Board of Directors, who may take such measures thereon as they may deem expedient.

SEC. 12. The Regulations of the Library and Reading-Room shall not be altered, amended, or suspended, unless by the votes of five members of the Board of Directors, present at a stated meeting, notice being given for that purpose.

On the twenty-fourth day of April, 1855, the proper certificate was filed in the office of the County Clerk of the County of San Francisco, by which the Institute became a body corporate, under the general incorporation act of the State of California.

On the second day of July, of the same year, Messrs. WM. M. LA ROCHE, Corresponding Secretary, J. W. BROOKS, Treasurer, and S. C. BUGBEE, Director, resigned their respective offices; and Messrs. HENRY F. WILLIAMS, CHARLES H. GOUGH, and R. R. WILLIAMS, were severally elected in their stead.

On the third day of October, following, Mr. BENJAMIN HAYWOOD having resigned the Presidency, the Vice President, Mr. JOHN SIME, succeeded to that office; Mr. GARDNER ELLIOTT, one of the Directors, was elected to the vacant Vice Presidency; and the vacancy thus created in the Board of Directors, was filled by the election of Mr. WILLIAM MCKIBBIN.

On the fifth day of March, 1856, the President presented the following report, as required by the Constitution:

ANNUAL REPORT.

TO THE OFFICERS AND MEMBERS OF THE MECHANICS' INSTITUTE :

On this, the first anniversary of our formation as a society, allow me to congratulate you on its successful organization as a body, and, in submitting this report, to suggest such action as it appears to me will conduce to the ultimate prosperity of the Association.

In presenting the following financial statements, (the aspect of which is not as favorable as might have been hoped for,) it must be borne in mind that this is the first year of our existence, and that we have naturally had more difficulties to overcome, during these early days of our association, than we shall be probably subjected to in the years to come.

The Treasurer's report, herewith submitted, shows the total receipts of the year to have been.....	\$1,106 86
And that the disbursements during the same period were.....	1,085 37
Leaving a balance in the Treasury, on the first day of February, ————	
1856, of.....	\$21 49

Two hundred members have paid their first instalment on stock ; one hundred and fifteen have paid their first and second instalments thereon ; and only ninety-two have paid their quarterly dues. We have enrolled the names of two hundred and eighty-two members, during the past year ; but I regret to say that many of them are members only in name—neither assisting us, by their exertions, to carry out the objects of the Association, nor aiding us by pecuniary contributions.

Among other objects of the Institute, are the establishment of a Library and Reading-Room, and the provision for regular courses of lectures ; thereby providing sources of attraction and intellectual entertainment for those who desire to avail themselves of such advantages.

Our library is yet quite small, consisting of but four hundred and eighty-seven volumes in all. It is desirable that this number should be increased as speedily as possible ; and our successors in office should not depend upon the public alone, by whom we have been somewhat disappointed in regard to donations of books, but should make appropriations for that purpose, as soon as practicable.

Having learned that, in October last, a resident of New York had died, leaving an amount of money, out of which every properly organized Mechanics' Institute in the United States was to receive the sum of five hundred dollars, the Board of Directors ordered to be sent, to our agent in that city, the necessary notice of our organization, the number of our members, and such other information as was necessary to make the bequest available. We have since heard that the trustees of this fund do not again meet until the coming June, when, it is thought, we will be enabled to obtain the bequest ; and, in anticipation of that event, it has been ordered that its amount be invested in books for the Library.

In this connection, I must urge upon members the necessity of promptly paying their dues ; for, without a well-filled treasury, it is impossible to perfect any arrangement for their own comfort, or for the benefit of the Society.

I call the attention of the officers to be elected, to the Reading-Rooms. They are not sufficiently large; nor are they conveniently situated, being in the fourth story of a building. This would have been remedied ere now, had not the extremely limited state of our finances rendered it impossible; the Board of Directors having neither the disposition nor the authority to involve the Association, by incurring liabilities beyond its present means to liquidate.

We have only been able, thus far, to secure the delivery of three lectures before the Society; and, although they drew large audiences, the immediately beneficial effects to the Institution, anticipated by the Directors, were not realized, notwithstanding the well-known ability of the lecturers engaged. It was expected that these lectures would have awakened an interest in the community in favor of our Institute, and induced contributions to our Library; and I trust that, although our hopes have not thus far been realized in this respect, our successors in office will encourage the continuance of the same course of instruction—believing, as I do, that it will ultimately result in great benefit to the Society.

A passing notice should here be given to the Debating Society formed by the exertions of some of the members of this Association. I specially recommend it to the patronage of the young members among us. By participating in debates upon good subjects, a tone and vigor will be given to their minds, which can best be acquired by such contact with the opinions of others. Let the subjects be well chosen, and there are but few of us who cannot derive some instruction, and much pleasure, from their discussion. The minds of most of us need such relaxation from constant business, and in no manner can our evening hours of leisure be better spent, than by joining in, or listening to, such debates.

In conclusion, I must urge the members of this Association to be active in influencing others to join us; and I appeal to the mechanics of the city, whose names are not upon our roll of membership, for their coöperation and substantial aid. The fee of three dollars per quarter is so small, that it requires the subscriptions of many to provide funds for the necessary expenses of the Association. Every member can influence a few to join us; and thus, with a little exertion, ere long a society can be formed, the influence of which will be widely felt, and the advantages of which, to all its members, will be incalculable.

All of which is respectfully submitted.

JOHN SIME, PRESIDENT.

On the fifth day of March, 1856, the second annual election took place, when the following officers were elected:

RODERICK MATHESON, PRESIDENT.

GARDNER ELLIOTT, *Vice President.* P. B. DEXTER,.....*Rec. Sec'y.*

ELI COOK,.....*Treasurer.* H. F. WILLIAMS,...*Cor. Sec'y.*

Directors:

C. L. TAYLOR,

D. VAN PELT,

J. E. KINCAID,

WM. MCKIBBIN,

G. D. STREET,

F. P. SWETT,

JONATHAN KITRIDGE.

On the thirteenth day of June, of the same year, the following circular was issued :

TO THE MECHANICS OF SAN FRANCISCO :

The Board of Directors and Officers of the Mechanics' Institute of the City of San Francisco, desire to advise their fellow-craftsmen, throughout the city, of the formation of the above named Association, and to call the attention of all to the propriety and importance of their being members ; thus becoming the recipients of its benefits, and, by means of their influence and individual exertions, aiding in the extension of its influence throughout the State.

As the first, and perhaps the only organization of its kind upon the Pacific, and as the only association devoted to the promotion of the best interests of the mechanical classes, it should commend itself to their regard as a means of great good, in advancing the prosperity of its members, and of all who come within the sphere of its influence. There can be no class of the community who reap greater practical benefit from the study of literature, the arts, and sciences, than the mechanic who has the ability to appreciate, and the skill to adapt his learning to the advancement of the particular art in which he may be engaged.

The Mechanics' Institute of this city was called into existence for the purpose of elevating that class of the community for whom it was designed ; and was intended to furnish, to those who compose it, a place and opportunity for frequent interchange of views, as a means of disseminating information, and of cultivating a literary taste ; thus furnishing to their hours of leisure such agreeable inducements for mental improvement, as may be found in the perusal of a choice and well-stored library, and in the examination of a museum of the wonderful and ingenious productions of the realms of nature and the world of art.

Our Association was organized, by the election of its officers, on the twenty-ninth day of March, 1855, and now numbers two hundred and ninety members. Any person may become a member of the Institute, by purchasing at least one share of its stock, and paying a contribution of three * dollars quarterly, in advance. A share is valued at twenty-five dollars, ten per cent. of which (two dollars and fifty cents) must be paid at the time of signing the Constitution. A small collection of well-selected books has already been obtained ; and it is hoped that this is but the nucleus of a library which, in time, may become of great importance. Our reading-desks furnish all the current news of the world ; and our new rooms, (No. 110 California Street,) being spacious and pleasantly located, present an agreeable place for spending a leisure hour in the cultivation of the mind, and in the enjoyment of social intercourse.

Believing, as we do, that this Association has within itself the capability of so much usefulness, we desire to see it extended and encouraged by the membership and assistance of all the mechanical classes of the city ; and for this purpose we send forth this address, inviting all to unite with us, and join in advancing the interests and extending the influence of the Mechanics' Institute of the City of San Francisco, until in importance, influence, and usefulness, it

* The quarterly dues have since been reduced to one dollar and fifty cents.

shall vie with institutions of a kindred character, established and supported by other prominent interests in the State.

We trust that these hints and suggestions may awaken the emulation, and excite the just pride of our fellow-mechanics; so that one united effort may be made to place our Association on a par with literary and scientific institutions, of like character, in this and other States; and thus again demonstrate the fact, that while the Mechanics of San Francisco acknowledge no superiors in art, no warmer admirers of literature, and no more zealous searchers after scientific knowledge, they have few equals in enterprise and generous devotion to the advancement of the honor and dignity of the Mechanical Arts.

By order of the Institute.

H. F. WILLIAMS, COR. SECRETARY.

On the twenty-third day of July, 1856, the Presidency having again become vacant, by the resignation of Mr. RODERICK MATHESON, the Vice President, Mr. GARDNER ELLIOTT, succeeded to that office; and on the thirtieth day of the same month, a vacancy created in the Board of Directors, by the resignation of Mr. JONA. KITRIDGE, was filled by the election of Mr. J. A. BANKS.

On the twenty-sixth day of August, following, another circular was issued, as follows:

TO THE MECHANICS OF THE STATE OF CALIFORNIA:

The Board of Directors of the Mechanics' Institute of the City of San Francisco, desire to advise their fellow-craftsmen, throughout the State, that it is their intention to be represented at the State Agricultural Fair, to be held in October next, at San José, in response to a call made through the circular of the Executive Committee of the State Agricultural Society.

We therefore earnestly hope that the mechanics generally will avail themselves of the invitation of the Executive Committee, and use all reasonable efforts to attend this Fair; if only for the mutual interchange of views relative to the blending of the agricultural and mechanical interests, for future exhibitions. The mechanics of this city are preparing many contributions for the mechanical department of the Fair, which will be forwarded under the supervision of a special committee from our Institute; and we cheerfully tender to the mechanics of the interior, our services in receiving and forwarding, free of charge, any contributions they may desire to entrust to our care. To this end, they are invited to address the Institute, through the Corresponding Secretary.

By order of the Board of Directors.

H. F. WILLIAMS, COR. SECRETARY.

On the fifteenth day of December, 1856, the following circular was issued:

CIRCULAR.

The Mechanics' Institute of the City of San Francisco have resolved to hold an Industrial Fair in said city, in the month of September, 1857; and they cordially invite the mechanic, manufacturer, miner, artist, agriculturist, horticulturist, and every other producer, to be represented.

No pains will be spared, on behalf of the Institute, to render this the most brilliant and interesting exhibition ever witnessed on the Pacific coast; and the hearty coöperation of all well-wishers of the enterprise is most earnestly solicited.

Special premiums and diplomas will be awarded for articles of superior merit.

As soon as some definite plan for the Exhibition shall have been matured, the public will be advised of the same.

By order of the Institute.

H. F. WILLIAMS, COR. SECRETARY.

On the fourth day of March, 1857, the second Annual Report was presented by the acting President, Mr. GARDNER ELLIOTT, as follows:

ANNUAL REPORT.

TO THE OFFICERS AND MEMBERS OF THE MECHANICS' INSTITUTE:

As you are aware, I was through your partiality chosen Vice President of this Institute twelve months since, and but a few months had elapsed when the duties of the Presidency devolved upon me in consequence of the resignation and removal from the city of Mr. Matheson. It therefore becomes my duty, in accordance with a provision of the Constitution, to furnish a written report of the general transactions of the Institute, and to make such suggestions as may seem best calculated to promote its prosperity.

Upon my induction into the Presidential Chair, I found the Institute embarrassed with a debt of seven hundred dollars, and the attention of a large portion of the members withdrawn from its interest, by reason of the unexampled excitement which at that time pervaded our entire community. To add further to the difficulties of my position, I found that the available resources of the Institute were insufficient to meet its current expenses, and that in consequence we were daily becoming more deeply involved in debt, with a decreasing revenue. With these gloomy prospects before us, frequent meetings of the Board of Directors were held, and many plans were suggested for relief; and with unfeigned pleasure I bear testimony to the untiring zeal and energy displayed by the Officers generally during these dark days, which threw a cloud upon our prospects, and almost obscured the hope of that ultimate success, which was contemplated at the time of our organization. With the view of adopting some means to relieve the Institute from the embarrassments and difficulties which at that time surrounded it, and with the determined purpose of adopting a policy which would most certainly advance its prosperity, they worked together untiringly and harmoniously.

The Recording Secretary and Librarian, perceiving the inability of the Insti-

tute to meet its liabilities, and that the decreasing revenue was wholly inadequate to pay the current expenses, generously proposed to perform his duties gratuitously, until such change in its affairs should occur, as would enable the Association to make him some compensation for the services he might render.

This he did, promptly and efficiently, until all the debts were paid, and a balance was left in the Treasury, when the Directory again voted him a limited salary. This magnanimous conduct of Mr. Dexter reduced the current expenses within the available resources.

While the attention of the Board of Directors was attracted to the maturing of the several plans contemplated by them for the removal of the debt which had been incurred, a communication was received from Mrs. Julia Dean Hayne, tendering a benefit to our Institute. This voluntary offer of her valuable services was cordially received and promptly acted upon; and through the active exertions of the members generally, a sufficient number of tickets were disposed of to fill the theatre to overflowing. The proceeds exceeded our highest expectations, netting to the Institute, after paying all expenses, the sum of \$1,029 50. Our liabilities were immediately discharged, and the credit of our Association was restored. Since then, the Institute has met every claim upon its treasury, and has moved on prosperously.

By the Annual Report of the Committee of Ways and Means, made February sixth, 1856, it appears that there was then a balance in the treasury of \$21 48. Since that time, as shown by the last Annual Report of the same committee, there has been received, from all sources, the sum of \$2,448 98, of which there had been disbursed, up to February fourth, 1857, \$2,121 50, leaving a balance at that time in the treasury of \$323 48.

The Committee on the Library, Reading Room, and Building, in their Annual Report made at the last meeting of the Institute, express the confident belief that the measures originated by the Board of Directors, for the erection of a Hall, and which are now in progress, may be successfully carried through; and that at an early day an edifice may be constructed meeting the wants of the Institute and affording a handsome revenue to the treasury, while "it will be an ornament to the city, the pride of the Pacific, and a lasting monument to those by whose hands it shall have been erected."

The Annual Report of the Committee on Books and Donations shows that there have been added to the Library, during the past year, nearly four hundred volumes. Of these, one hundred and seventy-two were purchased, and the balance were generously donated. This statement will show that the whole number of volumes in the Library is nearly nine hundred. Many of these are works of great merit, and among them it may not be out of place to mention "Murphy's Arabian Antiquities," a rare and costly work, which was originally furnished to the subscribers at a cost of one hundred guineas, or about \$500. There are only two other copies of this work, it is said, in the United States. This was a gift from Messrs. Barry & Patten, of this city.

I avail myself of this occasion to congratulate the members of the Association upon the present and prospective prosperity of the Institute; and I trust that those whom your suffrages may delegate to administer its affairs during the coming year, may meet with no formidable opposing obstacles in their laudable endeavors to build up an Institute, which shall rival the older kindred organi-

zations in the Atlantic cities. To this end I would suggest for your consideration, that prompt and energetic action be had in the matter of the coming Fair ; that all the preliminaries of that exhibition be settled ; and that the whole affair be pushed through to successful completion. If properly managed, it may be made a source of considerable revenue, and at the same time reflect great credit upon the Institute. I would further suggest that active efforts be made to increase our membership, by urging the mechanics, artists, and others of the city to unite with us in carrying out the objects of our organization, believing them to be such as to commend themselves to every intelligent mind in this community.

A plan for a Hall has been adopted by the present Directory, which will be submitted for examination at an early day ; and it will remain for their successors to mature the measures necessary to its completion, and, I trust, to superintend, within the present year, its dedication to the purposes for which it is designed.

All of which is respectfully submitted.

GARDNER ELLIOTT, PRESIDENT.

On the same day the third annual election took place, and the following were the officers elected :

JOHN SIME, PRESIDENT.

GARDNER ELLIOTT, *Vice President*. P. B. DEXTER,.....*Rec. Sec'y*.
J. E. KINCAID,.....*Treasurer*. H. F. WILLIAMS,...*Cor. Sec'y*.

Directors :

DANIEL VAN PELT,
C. L. TAYLOR,
WM. MCKIBBIN,

G. D. STREET,
J. A. BANKS,
ELI COOK,

I. E. DAVIS.

On the first day of May, 1857, the following circular was issued and distributed throughout the State :—

CIRCULAR.

In accordance with an announcement contained in a brief Circular issued in December last, THE FIRST INDUSTRIAL FAIR of the "Mechanics' Institute of the City of San Francisco" will be held in said City in September next, commencing on Monday, the 7th, and continuing open at least ten days.

The Board of Directors, having carefully considered, in all its bearings, the subject of holding a Fair at the time proposed, have arrived at the conclusion that, with a reasonable amount of exertion on the part of Mechanics and others interested, such an exhibition can be made not only creditable, but highly beneficial to our young State.

The advantages of Fairs must appear obvious to every reflecting mind ; and in no quarter of the Globe do they promise more than in California ; where so much may be accomplished by the dissemination of correct information, relative

to her natural and artificial resources. Besides exciting emulation, extending practical knowledge, suggesting ideas to ingenious minds, affording tangible evidence of superiority, stimulating talent, exhibiting the progress of the arts, promoting extensive intercourse among producers and their patrons, they cannot fail to excite a world-wide interest in regard to our State, and extend reliable information respecting its resources, which will tend to encourage immigration and permanently establish beneath our genial skies an industrious, enlightened, prosperous, and happy population.

We earnestly solicit for exhibition the products of every department of industry; works of art of every variety; choice specimens of ingenuity and skill; rare and valuable productions, natural or artificial; the delicate and beautiful handiwork of woman; useful labor-saving machines; implements of mining and husbandry; new models of machinery; the products of the quarry and the mine, the hot-house, the orchard, the vineyard, the garden, and the field,—in short, whatever nature or art can contribute, curiosity discover, or ingenuity devise.

Importers and Dealers are cordially invited to participate in the Fair, by exhibiting whatever is calculated to excite interest or extend information in regard to useful improvements.

Persons throughout this State and Oregon are requested to communicate such facts, relative to the natural resources, and the facilities for industrial pursuits in their respective districts, as may be deemed by them important; also, to give reliable information concerning the geology and mineralogy of their particular localities; and a committee of scientific and practical men will be appointed, to prepare a report based upon the information thus derived.

We cordially invite the coöperation of all classes, believing that ALL are interested in making this an Exhibition worthy of general notice and admiration.

Medals and Diplomas will be awarded to the owners of such articles as may be deemed worthy of such distinction, and we intend that the strictest impartiality and fairness shall be observed in the appointment of Judges and the distribution of awards.

We confidently hope that the experiment about to be made, of holding an Annual Industrial Fair in San Francisco, will be crowned with success and give general satisfaction.

The California Steam Navigation Company, the Pacific Mail Steamship Company, and other transportation companies, have generously offered to carry articles intended for the Fair, free of charge.

All articles forwarded should be labeled "For the Industrial Fair," and addressed to "H. F. WILLIAMS, Mechanics' Institute, San Francisco."

The following are the Regulations which will be adopted for the government of the Exhibition:

I. The Rooms will be open for the reception of goods on Monday, August 24th, continuing open for that purpose until Saturday, September 5th. The Exhibition will be opened to the public on the Monday following.

II. When articles are entered, a check for the same will be given, which must be presented when the articles are returned.

III. The name of every article should be attached to it, and also a description, pointing out its merits, when thought desirable by the Exhibitor.

IV. Articles intended for sale will be labeled accordingly, but cannot be removed until the close of the Exhibition, except by the written permission of the Committee of Arrangements.

V. Light, fancy, or perishable articles will be received, or may be removed at any time during the Exhibition with the consent of the Executive Committee.

VI. Proof of origin must be given when required.

VII. Committees will be appointed to examine all articles presented, and the Executive Committee will award premiums, on such as the several committees shall decide most worthy. The premiums to be delivered as soon as they can be prepared.

VIII. The morning of each day till nine o'clock, will be appropriated to the Judges, and visitors will not be admitted during that time.

IX. In case of misunderstanding, application may be made to the Executive Committee, who will at all times be in attendance.

X. Steam-power will be provided, that Machinery of all kinds may be seen in actual operation; and every facility possible, will be given to exhibit all working machinery to the best advantage.

XI. All articles deposited will be at the risk of the owners, who are invited to be present during the hours of exhibition. In the intervals of the exhibition, efficient measures will be taken for the protection of property.

XII. It is desired that articles should be presented early, that they may appear on the catalogue, and should they arrive from a distance before the rooms are in readiness, they will be stored free of charge.

XIII. Owners or Agents offering articles for exhibition will receive tickets of admission gratis, but in no case transferable.

XIV. Persons intending to take part in the Exhibition are earnestly requested to make known their intention at the earliest practicable period — stating the kind of article or articles they intend exhibiting, and the probable amount of space required.

XV. For further information, address H. F. WILLIAMS, Corresponding Secretary of the Mechanics' Institute, San Francisco.

JOHN SIME,	J. E. KINCAID,	WM. MCKIBBIN,	} <i>Executive Committee.</i>
H. F. WILLIAMS,	ELI COOK,	C. L. TAYLOR,	
GARDNER ELLIOTT,	J. A. BANKS,	G. D. STREET,	
P. B. DEXTER,	ISAAC E. DAVIS,	DANIEL VAN PELT,	

For the exhibition proposed in the foregoing circular, the Institute caused to be erected a spacious building on Montgomery Street, between Sutter and Post Streets. Mr. HENRY F. WILLIAMS, a member of the Association, was invited by the Executive Committee to deliver the opening address; and Mr. EDWARD POLLOCK was requested to present a poem upon the occasion. These duties were performed by those gentlemen, on the evening of the seventh day of September, 1857; and on the following day the Pavilion was thrown open to the public.

OPENING ADDRESS,

DELIVERED AT THE INAUGURATION OF THE FIRST EXHIBITION OF THE MECHANICS'
INSTITUTE OF THE CITY OF SAN FRANCISCO,

BY HENRY F. WILLIAMS, Esq.

MR. PRESIDENT, AND LADIES AND GENTLEMEN:

We have this evening assembled to inaugurate the first Industrial Exhibition under the direction of the Mechanics' Institute of the City of San Francisco. To-morrow the spacious pavilion erected for the purpose, will be thrown open to the public, and an opportunity offered to *all* to come and witness the fine display of natural and artificial productions therein collected.

This, like all other great enterprises, has been attended with many difficulties, and much labor and expense; but these, I am pleased to state, have been promptly met and successfully overcome by the zeal, industry and determination of the members of the Institute. It is now confidently hoped and believed by its projectors, that this Exhibition will prove the commencement of a system of Fairs, which will bring together annually the scientific and practical men of our country, with the results of their invention, skill and industry in the various occupations of real life; thereby exciting a spirit of emulation and generous rivalry which cannot fail to redound, not only to their own advantage, but to that of every class of the community, by its tendency to develop and illustrate the rich and varied resources of our State.

The benefits to be anticipated from the frequent assembling of the manufacturers and producers of our country, with the monuments of their skill and industry to exemplify the advantages of manual labor when directed by intelligence, are incalculable. Each stimulates the others to further developments in the physical sciences, thereby extending the dominion of mind over matter, by reducing the various products of nature to forms and conditions best suited to the wants and wishes of man; and this, after all, fills up the great measure of difference between civilized and savage life.

It is not my purpose to dwell at length upon the fact, that Industrial Exhibitions have everywhere been attended with like results, and have been found most beneficial in their tendencies. That is an oft-told tale, with which you are all, no doubt, familiar. It is my aim, however, to endeavor to set forth some plain truths of a local character, based upon reliable data, with (as I hope) correct and logical deductions, showing our ability to supply our home demands, and the needlessness of further reliance upon distant lands for the greater portion of our present wants. *That* I conceive to be the great truth to be set forth in an address at this time, and to be demonstrated by the articles presented at this exhibition. That we have the necessary materials with which to manufacture almost every article, whether of necessity or luxury, is now a well-established fact; and the new developments that are daily being made serve to show that they are almost limitless. That we have among us the necessary talent, ingenuity and industry to manufacture them, no one can doubt who is at all familiar with the character of our population, a large proportion of which is composed of skilful artizans from every quarter of the globe.

At an early day, when the resources of our country were but imperfectly understood, the most erroneous impressions were entertained by us all, and were soon disseminated far and wide to the utmost confines of civilization—impressions which entirely over-estimated its mineral wealth, and under-rated its agricultural and mechanical resources. The fabulous stories of our mining operations, fixing the gains of the miner at ten, twenty, fifty, or a hundred dollars per day, seemed conclusive evidence that no steady mechanical pursuit could ever be followed with success. The supposed barrenness of our soil, and the high valuation placed on labor, as regulated by the products of the mines, seemed to preclude the idea of success in agricultural pursuits. These *supposed facts* led to the conviction that other countries would have to supply us with tools to work with—with food to subsist upon—with raiment wherewith to be clothed - and, indeed, with every necessary and luxury of life.

What were the consequences growing out of these false impressions? The work-shops, the granaries, and the store-houses of the Christian, the Jew, the Mohammedan, and the Pagan, were thrown open in all the ports of the world. Ships, large and small, new and old, were freighted with every conceivable thing which bounteous nature could produce, or the cunning art of man devise; and, with a greater diversity of tongues than was heard at the tower of Babel, the cry

arose—"Away! away! for the Dorado of the world!" What followed? To say that our country was deluged with every article which the real or imaginary wants of man or beast could require, gives but a faint idea of the immensity of the importations. Those old-fogy notions of the relations which should exist between supply and demand, were for the time being entirely disregarded. Those eager gold-seekers, by forced traffic, must have supposed (if, indeed, their heated imaginations suffered them to think at all upon the subject,) that our one or two hundred thousand souls possessed a capacity for consumption equal to one or two millions in a land of steady habits.

The system of excessive importations, thus begun, has been pursued to a greater or less extent ever since. It was inaugurated at a time when but little was known of our wants, and less of our resources; and to check it, has been, is, and will be, our most difficult task. To this cause, chiefly, may we attribute our present impoverished condition as a people. Millions of our gold have been given annually in exchange for useless articles, many of which now lie valueless in our warehouses, or have been long since cast out as worthless. A number of persons, whom I know to have had great facilities for obtaining correct information on these subjects, have assured me that at least one hundred millions of gold have been exported from our shores to pay for useless merchandise—articles entirely unsuited to our wants, and consequently valueless—an amount greater than the assessed value of the real and personal property of our State, as taken from the assessment rolls of the last year. The startling realities which this naked truth suggests to the reflecting mind, are truly astonishing; and still the picture is incomplete, till we lay bare, in all its deformities, the galling truth that we are largely in debt, and are actually paying usurious rates of interest to foreign capitalists, for the privilege of doing business in our own store-houses and workshops, and for permission to occupy the tenements which we call our homes!

This is the anomalous condition of affairs which surrounds us after an experience of nine years. The seven or eight hundred millions of dollars which we have exported, have gone we know not where, and for we know not what. They have left no trace behind, except the record of our folly in receiving and paying for the world's surplus in a ten-fold ratio to our actual wants. Had the reckless policy which prevailed for several years after the discovery of our gold been pursued to the present time, we would to-day present a picture of the most hopelessly bankrupt people the world ever saw. To the efforts of our

agriculturists and mechanics are we chiefly indebted for whatever of prosperity we may now lay claim to, and to their efforts are we to look for the future growth and prosperity of our State. Our experience has demonstrated conclusively, that which was before inculcated by political economists, "that gold alone cannot make a country rich and prosperous." Let us then profit by experience, and, regarding our mineral wealth as a matter of secondary consideration, direct our energies to the cultivation of the earth, and the conversion of its various products to our uses, thereby becoming an agricultural and mechanical people. In order to arrive at a proper understanding of what may be anticipated from such a change in our policy, let us briefly review what has already resulted from the efforts of the pioneers in those pursuits, and draw our deductions of what may be accomplished in time by directing our energies to the development of nature's bounteous treasures.

The productions of our soil, once supposed so barren, the salubrity of our incomparable climate, and the general facilities for agricultural purposes, have enabled our farmers to accomplish wonders in a short space of time. They have already demonstrated their ability to supply home demands with almost every product which bounteous nature will put forth to the toiling sons of Adam, *and at a less cost than similar articles can be imported.* They have not only stopped the importation of the staple products of the soil, but have furnished our merchants with a surplus for exportation to some of those very marts whence we had formerly drawn our own supplies. These are facts which have already gone abroad in the reliable reports of the State Agricultural Fairs, and the most beneficent results have already ensued. Importations in breadstuffs have almost ceased—home products take their place—domestic industry is encouraged—and our rural districts are assuming a character for permanency and prosperity before unknown. When we reflect that these are the results from the cultivation of less than a half million of acres of our soil, while we have over forty millions equally productive, our agricultural resources swell to almost boundless dimensions, and no gift of prophecy is needed to foretell our future immensity of production.

The uncertainty of land titles is now the most serious obstacle to the filling up of our country with an industrious, happy, and prosperous population. Thousands of our miners who have made their one, two, or ten thousand dollars by their labors in the mountains, would have purchased farms and become permanent residents, but for this

uncertainty. Many such have come under my own observation, who have sought homes on the western prairies rather than hazard the conflict of titles here. How long we as a people are to be cursed with this uncertainty, it is difficult to determine; but it is a fact as apparent as the noon-day sun, that it is now retarding the progress of our State more than all other causes combined. Yet, even this drawback would not exist, were our resources better understood. From the Surveyor General's Report, it appears that we have within our limits an immense domain belonging to the Government, which is subject to pre-emption, and only awaits occupation. The area will probably include twenty millions of acres, and with this magnificent extent of public lands still open to the actual settler, there is every reason to believe that our fertile soil, our equable climate, and our immunity from the dangers which ever threatened harvests on the Eastern slope, will ere long fix the attention of the western emigrant, and make California not only the mint but the granary of the occidental world.

The task of the mechanic is more difficult than was that of the farmer. Though our State abounds in resources of a character so varied as to offer facilities for manufacturing almost every article of merchandise, time and capital are required to develop them. Much has already been accomplished, as this Exhibition will show. Almost every branch of industry will here be represented, but the great work is scarcely begun. We only see the "beginning of the end." It is believed by its projectors, that this Fair will clearly demonstrate the fact that almost every industrial pursuit may now be carried on in this country *profitably*; and this is the leading idea and the all-important truth intended to be established by this Exhibition, because a different impression has taken deep root abroad, which must be removed before we can check the abuses of trade under which we are suffering. We must demonstrate to the world our ability and willingness to manufacture for ourselves, and that we ask no better protection to our industry than nature has given us, in our remoteness from the workshops and busy marts of the world, whence we have hitherto drawn our supplies. We must show that we ask no higher tariff than the risk, cost, damage, and other charges necessarily attending importations. Could so effectual a tariff have been created by legislative enactment?

Experience proves that but few articles can be imported from the Atlantic States and sold profitably, at less than fifty per cent. advance. Some may possibly be sold at an advance of only twenty-five per cent. — others at not less than one hundred, so that fifty per cent. may be

regarded as a fair general average. But this advance goes not into the hands of the Eastern producer,—it is swallowed up by ship-owners, commission merchants, draymen, wharfingers, port charges, and the many other costs to which goods are subject. Thus it becomes apparent that the California manufacturer may set his prices at forty per cent. higher than those of his competitor in the Atlantic States, and then undersell him in our market. Let us then inquire if this advance of forty per cent. is not amply sufficient to cover the additional costs to which we are subjected. The fact is patent that our raw materials will cost us *less*, for we are exporting many articles to the eastern market profitably; but, for the sake of argument, we will admit that the general average foots up about the same. The advance on labor then, is the only impediment, and *it* is less than *double*; but for the sake of the illustration, we will admit that the California manufacturer pays for his materials the same that his eastern competitor does, and for his labor double, and then it will be found that his actual expense is only about twenty-five per cent. advance, as the general average will show that labor in the Atlantic States does not exceed one quarter of the cost on manufactures. For example: In an article which costs in the city of Boston one hundred dollars, the materials used will amount to seventy-five, and the labor to twenty-five dollars. For a similar article in San Francisco, the materials would cost seventy-five dollars, as in Boston, and the labor fifty dollars; making the whole amount but one hundred and twenty-five dollars: while experience shows that the Boston manufacturer must realize one hundred and fifty dollars for his production when placed in our market.

These are fair general deductions, if they do not apply in every case. If true, what do they demonstrate? That when we erect the proper facilities for manufacturing purposes, and open the way to the varied resources adapted thereto by a judicious investment of the requisite amount of capital, we may consume our own materials at the valuation placed upon them,—which, unless so applied, would remain almost valueless. We may give employment to our own people at an advance of one hundred per cent. over the amount paid for eastern labor, and still produce articles at only about twenty-five per cent. above the cost in New England, and at an average of twenty-five per cent. less than their cost delivered here.

These conclusions, it will be observed, are arrived at without reference to one of our most decided advantages. I allude to the invigorating and healthful climate of our State, in which she soars pre-emi-

nently above any other in the Union. Her people are neither parched with heat nor chilled with cold. Except in some of the very elevated mountain regions, the cold is never too severe for out-door labor in the depths of winter, nor is the heat of the meridian sun ever too oppressive for man's endurance in the midst of summer. Our nights are ever pleasantly and refreshingly cool, and thus "Nature's sweet restorer, balmy sleep," is enabled to re-invigorate the wasted energies of the sons of toil, and send them forth revived and strengthened for the labors of each succeeding morn. We have among us men from every section of our land of many latitudes, who can testify to the results of their experience, that a man may in California perform more manual labor in a given time, than in any other State in our wide-spread Union. This important fact must in time tell with amazing effect in our favor; and when to this is added the singular productiveness of our soil and the peculiar security of our harvest seasons, it needs no spirit of prophecy to foretell that the day will come when our agricultural wealth will far exceed the riches of our mineral deposits.

"Coming events cast their shadows before," and the present aspect of things foreshadows great results in store for us, as the agricultural and mechanical resources of our State become developed. A few brief statistics, gleaned from various reliable sources, will serve to show what individual enterprise has done towards raising us up from a condition of utter dependence.

In 1850 the entire area of land under cultivation within the limits of our State, did not, probably, exceed five thousand acres, but in 1856 this had increased to over five hundred thousand. In 1850 the entire product of our wheat crop amounted to only seventeen thousand bushels; but in 1856 over four millions of bushels had been raised—about one fourth more than was actually required to supply our entire population with *flour*. The barley crop of 1850 amounted to only nine or ten thousand bushels—in 1856 this amount had swelled to over four and a half millions. The cultivation of oats had not been commenced as early as 1850, but reliable statistics show that the product of this important cereal amounted in 1856 to one and quarter million bushels. It may therefore be safely stated that our grain crop for 1856 saved to our State, at the lowest estimate, ten or twelve millions of dollars, when reckoned at the prices which prevailed during that year; but, if estimated at the prices which obtained while we relied on foreign markets for supplies, fifteen or twenty millions would not be an over estimate.

The number of live stock in 1850, amounted to about three hun-

dred thousand—in 1856, it had swelled to over a million. I have not been able to ascertain with any degree of accuracy, the number of fruit trees and vines for the year 1850, further than it was very inconsiderable when compared with the number in 1856; at which time it had increased to over three millions—about a half dozen for each man, woman and child in the State. In 1850 the wine product of the State amounted to fifty-eight thousand gallons,—in 1856 over a hundred thousand gallons were manufactured in the city of Los Angeles alone. The grape crop of this year is supposed to be sufficient (if it were entirely appropriated in that way) to manufacture two millions of gallons of wine. The fruits and vegetables raised by our horticulturists and agriculturists during the year 1856, when reckoned together with the butter and cheese of our dairymen, have been computed (by parties fully competent to make the estimate), to have saved our State in round numbers ten millions of dollars.

These facts and figures certainly show gratifying results, and speak volumes for the agricultural capacity of our State. Let us now briefly review, by reference to statistics, what has been and is being done mechanically.

In 1850 our State could not boast over twenty-five mills of all descriptions, with an exceedingly limited capacity. In 1856 the number, exclusive of quartz mills, had increased to over five hundred—more than one hundred and thirty grist mills, and of saw mills over three hundred and seventy. The aggregate capacity of the grist mills is sufficient to grind two millions of barrels of flour annually—an amount sufficient for four or five times our present population. The aggregate capacity of the saw mills is sufficient to saw five hundred millions of feet of lumber annually—one-fourth of the amount being sufficient for our home demands. In 1850, and for several years after, the imports of flour and lumber into our State amounted to from ten to fifteen millions of dollars. In 1856 our *exports* of those articles exceeded a million of dollars, and this year it will be greatly increased. I am credibly informed, that one saw mill alone is furnishing an order of three millions of feet to be exported to Valparaiso.

Our importations of sugars and syrups have amounted annually to several millions of dollars, and until recently no effort was made to check this heavy drain upon us. During the past year, however, through the efforts of a few of our most enterprising citizens, an extensive sugar refinery was erected in this city, with sufficient capacity to supply the wants of our people with those articles; and, I am pleased

to be able to state upon authority, that their facilities for obtaining the raw materials from the Islands of the Pacific, enables them to undersell importers and make handsome profits upon their investments. The successful experiments which have been made in the culture of the sugar-cane in this State, induces the supposition that the day is not far distant, when our own productive soil will be made to furnish materials to keep this extensive establishment in operation.

Like results were demonstrated, during the past year, in many other branches of business, which had not before been tested. A cordage manufactory was established, with sufficient capacity to supply our wants in that line, which are much larger than may generally be imagined. The rope consumed in this State has cost us heretofore from three to four hundred thousand dollars annually. But now the facilities which this company have for procuring their supplies of raw materials direct from Manila, enables them to undersell their eastern competitors, whose expenses for transportation are so much greater; and thus it will be seen that this important leakage has been effectually stopped. The importations of fancy soaps and perfumes have cost our State at least three hundred thousand dollars annually, without an effort on our part to check it till last year; when a company of practical men, who thoroughly understood what they were engaging in, commenced operations to show what might be accomplished in that line in this city. Ask the importers as to the result. They will tell you that this company now furnish them with better articles, pure and fresh, at a large per centage below the cost of those with which we have heretofore been supplied. The operations of this company were limited at first, but are daily increasing, and it is plain to be seen that the day is not far distant when the importation of these things will no longer be a drain upon our treasury. Another important feature to be considered in connection with this enterprise is the consumption of those raw materials which would be comparatively valueless unless so used.

The first iron foundry in this State commenced operations in this city, in the year 1850, on a very limited scale. We now have in all fourteen, some of them on quite an extensive scale; besides a large number of machine shops, all of which are busily and successfully occupied in manufacturing machinery. The knowledge which our machinists have gained by experience of our peculiar wants, and the heavy expense and damage attending the importation of the articles they produce, are sufficient protection to foster this branch of industry,

and eover the additional cost of labor. Steam engines, boilers, quartz machinery, &c., are now manufactured in this State *profitably*, which solves the problem of our ability to supply home demands in this line.

The day was, when the export trade in raw hides constituted the chief source of wealth to California; and, though this trade became a matter of minor importance after the immense exportations of gold commenced, it may yet be regarded as one of her many sources of wealth; and now that a new era is beginning to dawn upon us, it is well to inquire how far we are pursuing a wise policy, by continuing to export this article while we really need it at home to encourage mechanical industry. We have now about thirty tanneries in successful operation, with sufficient capacity, I learn, to supply the present demand for leather—that is to say, a sufficiency of that article for the consumption of those now engaged in manufacturing it into harness and the few other forms into which it is wrought; yet the shipping lists show that we are exporting several hundred thousand hides annually to the Eastern States, to be there tanned into leather and manufactured into boots and shoes, and shipped back to us. This should stop. The time has already arrived when a different policy may be pursued to advantage. The experience of those engaged in the business shows conclusively that our hides may be tanned at home as cheaply as they can be transported to the East and there tanned. That, then, will place the manufacturer of boots and shoes in California on a par with his eastern competitor, so far as his leather is concerned. Then give him similar facilities in the way of machinery, by which such work is chiefly done, and it will be found that the small additional cost to which he will be subjected in procuring the requisite amount of manual labor, will not be equal to the heavy costs and damages attending the long sea-voyage requisite to place his competitor's goods in our market. As this branch of trade now stands, we realize only about four dollars per hide, and buy them back again at about twenty dollars each, when converted into boots and shoes—the total summing up against us in this article alone, amounting to three or four millions of dollars annually. Have we not among us capitalists who will consider this matter, and undertake to develop this important branch of industry?

Permit me to mention one other branch of the mechanic arts which is being rapidly developed. I allude to the manufacture of furniture, which is now being carried on in this city *profitably*. The statistics furnished me by several of our largest dealers go to show that they are

now able to manufacture almost every article of furniture cheaper than they can import the same. Their operations have as yet been limited for want of workmen and the requisite facilities in the way of machinery; but their efforts thus far have been attended with marked success—so much so, that they assure me their chief profits for a number of months past have been upon articles of their own manufacture. That being true, it is quite obvious that the days for importing furniture into California are nearly numbered. Our coast abounds in woods well suited for the purpose, which can be furnished to our manufacturers at the same figures, or less, than the prevailing rates in the eastern cities; and the additional cost of labor does not equal the cost of freight and charges from Boston or New York. When we reflect that our furniture has cost us several millions of dollars annually, the advantages in prospect from the development of this branch of industry, swell to magnificent proportions.

Similar references might be made to almost every branch of industry, to show what has been and is still being done; but I fear your patience is already well-nigh exhausted, and I will only refer you to the Exposition, where you can examine for yourselves and at your leisure. Before concluding, however, it may not be out of place to allude briefly to a few of our principal inventions, to show that the inventive genius of California has not been sleeping.

The Overton steam wagon, (a California invention,) is pronounced by most of the practical and scientific men who have examined it, to be an invention of superior excellence, and one which promises, ere long, to take the place of all other wagons for heavy transportation; and which may, perchance, be applied to farming purposes of every description. If so, who will attempt to estimate its value? With its iron tread and untiring step it will become the advance guard of civilization and refinement by removing the heavy burdens from the limbs of man, which have ever been so heavily taxed in the cultivation of the soil. If this invention possesses the qualities claimed for it by the inventor and those enlightened and unprejudiced persons who have examined it, the day is not far distant when it will be seen moving majestically over our broad fields, with only one or two skillful hands to direct its course, followed first by a gang of plows to upturn the sod, then by broad harrows to crumble and pulverize the soil, to be followed in their turn by a sowing machine scattering the seed for a future harvest, with another harrow and ponderous roller, to bring up the rear—thereby performing at one and the same time all the varied processes now in

use by the usual methods of manual and animal labor, in the cultivation of the soil. Then when the harvest season shall come around, this mighty cultivator will again appear with a new train just suited to the times, to reap, to thresh, to clean, and to bag the waving fields of golden grain, thereby completing at its second advent the multifarious duties which are now connected with the toilsome period of the seed-time and the harvest. How far these glowing results are to be realized, time has yet to determine; but there are other inventions of our citizens which have been more thoroughly tested.

The Matteson Reaping and Mowing Machine is a reality. Its qualities have been fully and satisfactorily tested, and they were *not* found wanting. It has been pronounced, by all who have examined it, to be an invention of superior merit. Such are the peculiar advantages of its construction, that with two small horses or mules it can be made to do as much work, in a given time, as can be accomplished by any other reaper now in use with four heavy horses. Such, at least, are the advantages claimed for it by the inventor, and those who have witnessed its practical operations.

The Barrel Machine, invented by our fellow-townsmen, Messrs. Chace & Co., is purely a California invention, and essentially different from all others now in use. If what is claimed for it be true, it must soon supersede all similar machines. Its cost is far less, and it will in a given time turn out the same number of barrels, with one-third less manual labor. This machine is extremely simple in its construction, and not at all liable to get out of order, which I am credibly informed is not true of any other now in use. As Californians, we have cause to congratulate ourselves upon this triumph of art, apart from its intrinsic merit; because, before it was put into operation it was supposed that our State was very deficient in timber suited to the manufacture of barrels, while now it is conceded that we have a superabundance.

The inventions and improvements in quartz-crushing machinery have been numerous, and in many cases very valuable. Machines are now erected at a cost of two or three thousand dollars, which are in every particular superior to some that were imported at a cost of fifteen or twenty thousand dollars.

Allusion might be made to many other inventions, if the limits of this address would permit. After these references to facts and figures, showing what has been accomplished pecuniarily, let us briefly inquire how far we are indebted to the agriculturists and mechanics of our State, for our present improved condition, morally and socially.

From time immemorial, the world over, miners have been distinguished for their laxity of morals. The very nature of their pursuit seems ever to have fostered a gambling spirit; and our population (though, perhaps, vastly superior to any other of that class in the world's history,) does not present an exception. It is a matter of history with us, that during the first two or three years after the discovery of gold, while mining engaged the attention of almost our entire population, dissipation ran riot. To drink deeply of spirituous liquors, to engage recklessly in games of chance, were so common that he who did not indulge was an exception to the general rule, and was not unfrequently an object of ridicule for his singularity in this respect. Our population was then composed chiefly of *men*, who were drawn hither by the glittering gold, and whose only desire, apparently, was to amass a fortune in the shortest possible time, and leave our shores for distant lands, never again to return. The idea of making this country their future home was not dreamed of for a moment; the thought of bringing their wives and daughters and sisters to such a *heathen land* was never seriously entertained. What cared they for erecting churches, for building school-houses and colleges, for establishing and fostering libraries and literary associations, and the many great levers by which society is morally and socially elevated? They then felt no interest in common with us, for their hopes and affections were seated elsewhere.

But how different the aspect when our fertile valleys began to fill up with farmers and their families—when our cities, towns, and villages began to assume a character for stability, by the permanent location there of artizans and tradesmen, with their household gods and all they held most dear. With this change the necessity arose for churches, and the want was scarcely felt before it was supplied. Eminent divines were found ready, too, to preach from their pulpits the word of the ever living and true God. School-houses were built, and teachers came forward in every way competent to train the youthful mind. Literary associations sprung into existence, with their libraries, lecture rooms, and other beneficial appendages for elevating and improving the masses; and among such I may be pardoned for mentioning with pride the Mechanics' Institute of the City of San Francisco. A few words to its members, and I am done.

I congratulate you, gentlemen, upon the success of your noble efforts thus far, and take occasion to urge upon you the importance of renewed exertions, as the future of California is full of promise. Ever bear in mind that the mechanic's duty is now something more than

mere drudgery—that he must combine science and art with labor and capital, to meet the exigencies of the times. Remember, that to be a master-mechanic at the present day implies an ability to wander from the beaten track laid down by others, and, from an intimate acquaintance with scientific principles, be ever ready to combine theory with practice, and to apply them both to suit any emergency that may arise. The ancients considered only those branches of art becoming freemen, whose practice required more particularly the exercise of the intellectual faculties; and accounted those which we now denominate *useful*, as merely servile, and deserving only the attention of slaves. These ridiculously absurd notions have lost their force in our day and generation. To be a skillful mechanic has now become honorable instead of discreditable. A pursuit in itself *useful* is no longer regarded as necessarily servile. On this point, and in conclusion, I will borrow the language used on an occasion similar to the present, by GEO. R. RUSSELL, one of New England's most gifted sons :

“The distinction between Fine and Mechanical Arts is in a great measure done away. There was once a broad line between them, and one disdained an alliance with the other. It was supposed that genius could not descend from her etherialized habitation, and mingle with her plebeian brother. She is now no longer a resident of the clouds, but dwells on the solid earth. She stands by forge and anvil, loves the clatter of the factory, enters the workshop and presides over the combinations which give soul to matter, lingers in dingy corners where the pale mechanic thinks out the problems which revolutionize art, hovers around the swarthy brow, and clings to the calloused hand of labor. She has become democratic, wears homespun, and keeps company with paper caps and leather aprons, as though she were a candidate for office and wanted votes. There was a time when she lived in lordly halls, and moved among the mighty of the earth ; but her taste and manners have been improved, and she has become, at last, a useful member of society.”

OPENING POEM,

DELIVERED AT THE INAUGURATION OF THE FIRST EXHIBITION OF THE
MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO,

By EDWARD POLLOCK, Esq.

Kings hold their courts, and Presidents
At levees show their several bents
For shrewd intrigue, or for display,
As best in crowds of fools they may;
In stainless uniforms appear
Our harmless soldiers, once a year;
Through mud, (for Nature never yet
Saw Firemen but her eyes were wet,)
In shirts well sprinkled—red or blue,
Or clad in capes of darker hue—
Still, once a year, with splash and noise,
To man the ropes come forth the “boys”;
Well pleased at each procession's close
To calm their quarrels, soothe their woes,
By swallowing, in forgiving vein,
Frank Whitney's chowder and champagne!

The Politicians—harmless souls!—
The night before they sought the polls,
Were wont, till lately, to disclose
In line their forces to their foes.

The Clergy—may their tribe increase—
Each Sunday don their robes of peace,
And mark with due precision down
The gathering evils of the town.

The mournful Doctors save or slay,
With pomp, their patients every day.

The Lawyers, (to which saintly throng
I, for my many sins, belong,
But ne'er forgetting, nor should you,
That I am a Mechanic too);
The Lawyers, with a learned air,

Diurnally to courts repair,
And there do—nothing!—with such grace,
And formidable length of face,
That, at their slow, mysterious nod,
Their beaten clients must applaud.

Shows all—all shows—so let them pass,
Swift images along the glass.
We envy not the courtly air
Of princes, pranked and debonair;
We envy not the proud display
Of any White House gala-day.
And why? Because, in manhood's pride—
Young beauty blooming by their side—
Our *best* may say, with fearless brow,
To each, to all around them now,
“Away with hall, or court, or throne!
To-night, Mechanics, is our own!”

The holy night, when homes are sweet;
When fire-side circles fondly meet;
When smiles, and light that seems a smile,
And cheerful talk, the hours beguile;
And joy, as of a battle won,
Comes with the sense of duty done;
And strong resolves for further toil
Succeed remembrance of turmoil;
And calm delights, that seem again
To freshen, as with genial rain,
The social Eden's dusty bowers;—
Such nights, Mechanics, all are ours!

What pictures does the mind recall
Of scenes like these, endeared to all!
Work done, and tools bestowed aside,
The *home* is sought with honest pride.
The fire is bright, the table spread,
The lamps their cheerful radiance shed;
The grandsire, spectacles on nose,
Half reads the paper in a doze;
The school-boys, leaving tops and drums,
Bring forth their slates, and “prove” their sums.
The sweet young wife displays with glee
The baby that adorns her knee,
And mother's hand pours out the tea.

In such night-scenes we found our joys
When we were all apprentice boys;
In such night-scenes we found again
Our joys as working journeymen;
And here on this Pacific coast—
Our land, and all it holds, our boast—
Is it not fitting, fair, and right
Our Institute should choose the night
To first present her name to light!
To say—"Beneath yon moon-lit dome
Artistic labor finds a home!
No sunshine need its curves adorn,
For eve is the Mechanic's morn."

What need to praise, upon my part,
The Genius of Mechanic Art?
She speaks—from quarries, woods, and mines,
Behold, like light a city shines!
She waves her wand—the seas are white
With ships impatient in their flight!
Her finger traces—and its course
Is followed by the iron horse!
Through the deep seas, from which the heart
In wildest phantasy will start,
She looks—and lo! the magic wire
Transports her messenger of fire!
For her the blacksmith swings his sledge,
The builder grinds his hatchet's edge;
All workmen labor as she says;
All matter her behest obeys;
All shapes are facile at her nod,
From the rude cabin—logs and sod—
To temples of the living God.

Mechanics! to your hands we owe
Whatever we behold below,
From nature taken, and designed
To suit the changing human mind.
And more, Americans! Our State,
So young, and yet so proudly great,
In peace or war, an always true
Support, defence, demands of you;
And all who love the UNION pray
That, till the earth shall pass away,
Her strong-armed sons may ever be
Industrious, honest, brave and free.

Catalogue of Articles

EXHIBITED AT THE FIRST INDUSTRIAL EXHIBITION OF THE
MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO.

No.	Names of Depositors.	Residence.	Articles Deposited.
1..	Mrs. — Brubaker,.....	San Francisco,..	Quilt, containing 16,800 pieces.
2..	Mrs. C. O. Gerberding,..	“ “	Specimens of Embroidery, and Paintings of California Flowers.
3..	Mrs. N. Christiansen,...	“ “	A Crochet Counterpane.
4..	John Todd,.....	Sacramento, ...	Six Landscape Drawings in pencil.
5..	Joseph Boardman,.....	San Francisco,..	Five Architectural Drawings.
6..	G. Dietz & Co.,.....	“ “	Six Ornamental Out-door Lamps.
7..	Mrs. A. H. Reichart,...	“ “	Crochet and Bead Work, &c.
8..	“ “ “	“ “	Opera Cap, Embroidered Work, &c.
9..	M. L. Bird & Co.,.....	Stockton,.....	California Ranger's Saddle.
10..	Miss — Miles,.....	San Francisco,..	American Flag, by little children.
11..	T. H. & J. S. Bacon,.....	“ “	Sage's broad-cast Grain Sower.
12..	— Lutgen,.....	“ “	Patent Lock, by Plotz.
13..	Mrs. S. Johnston,.....	“ “	A Bed-Quilt.
14..	Hugh McConnell,.....	“ “	Wood Cutting, by S. Pomeroy.
15..	C. J. Eaton,.....	“ “	Specimens of Copper Ore.
16..	Mrs. J. Hayes,.....	“ “	Slippers, Collars, Sleeve Trim- mings, &c., of crochet work.
17..	Dore & Havens,.....	“ “	Six pieces of Sugar-pine Plank.
18..	Jos. Ringot,.....	“ “	Model of Clipper Ship of 2000 tons.
19..	F. W. Frantzkee,.....	“ “	Raccoon-skin Robes, and dressed Wildcat Skins.
20..	Mrs. H. A. Stevens,.....	“ “	Table Cover and Bed Spread of crotchet work.
21..	Mrs. S. Copeland,.....	“ “	Lace Collar, and one of transferred work.
22..	Richards & Brother,....	“ “	Specimens of Coal from Coose Bay.
23..	Misses L. G. & E. F. Coffin,	“ “	Basket of Shell and Moss-work, and one do. in leather work frame.
24..	Miss B. F. Brice,.....	San Francisco,..	Two Bed Quilts.
25..	John Meiss,.....	“ “	One fancy Coach-Robe.

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
26..	E. S. Holden,.....	Stockton,.....	A Windmill, by J. A. Daniels.
27..	R. Frank Clark,.....	San Francisco,..	A Pencil Sketch.
28..	A. Atchison,.....	" "	Patent Vaccinator, by Gordon.
29..	Mrs. M. Wertheimer,....	" "	Two Oil Paintings.
30..	F. J. Gangroff,.....	" "	Stove and patent Pipe, Zinc Roof, Scuttle, and Boiler.
31..	Swain & Co.,.....	" "	Show Case of Boots and Shoes.
32..	Miss Essy Maybin,.....	Oakland,.....	Specimens of crochet work.
33..	T. C. Hambly,.....	San Francisco,..	Autograph Letter of Cot'n Mather.
34..	Mrs. Benton,.....	" "	Oil Painting, "Indian Vespers."
35..	A. Paltinghi,	" "	Bust of Washington, in sandstone.
36..	Mrs. A. Harkins,.....	" "	Patchwork Quilts, and Needlework by Miss Ayres.
37..	Miss I. A. Buckler,.....	" "	Show Case of Silver Ware and Chinese Work, imported.
38..	J. H. Storer,.....	" "	Model of Man of War, full rigged.
39..	D. Van Vleck,.....	" "	Specimens of Wood Engravings.
40..	D. L. Perkins,.....	Alameda,	Specimens of Vegetables.
41..	Mrs. E. A. Lang,.....	San Francisco,..	A Crib Quilt.
42..	M. Witzell,.....	" "	Hose Pipes, of brass and copper.
43..	Bloch, Jena & Co.,.....	" "	Neat's-foot Oil, and Glue.
44..	W. O. Ayers,.....	" "	Borax, from Alkali Lake.
45..	Mrs. S. G. Crowell,.....	" "	Landscape, in worsted work, and worked Chair.
46..	Luther S. Hildreth,.....	" "	Model of Self-acting Gate, by J. A. Ayres, Hartford, Conn.
47..	Mrs. J. H. Josselyn,.....	" "	Frame of Flowers, tufted work.
48..	Miss Kate Prader,.....	" "	A Sofa Cushion.
49..	Claude Long,.....	" "	Locks, Pruning and Grafting Knives, &c., imported.
50..	Sperry & Co.,.....	" "	A large City Clock.
51..	Louis Richard,.....	" "	Wire Flower Baskets, and wooden Flower Stands, imported.
52..	Jos. Robinson,.....	" "	Paper Screens.
53..	Mrs. W. K. Doe,.....	" "	A Seamless Carpet.
54..	B. West,.....	Benicia,	Specimens of Marble Graining.
55..	Misses Ludlum,.....	San Francisco,..	Flower Paintings, and Sketches.
56..	Miss Mary Mannie,.....	Brooklyn,	Two Ottomans in leather work, and one Crayon Drawing.
57..	G. H. Burgess,.....	San Francisco,..	Three Views of Honolulu.
58..	Mrs. F. W. Sproat,.....	" "	Two embr'd Ottomans, of worsted work, and one embr'd Collar.
59..	Jas. W. Stevens,.....	" "	A Puzzle, "Reel in a bottle."
60..	A. Van Valkenberg,....	" "	One Waterman's Gas Regulator, imported.
61..	Robert Kellen,.....	" "	Lithographs and Paintings.
62..	C. Stalkman,.....	" "	A Show Case of fine Clothing.

No.	Names of Depositors.	Residence.	Articles Deposited.
63..	L. Burns,.....	San Francisco,	A Marble Slab, from Suisun.
64..	W. Peaslee,.....	Murphy's,....	Two Miners' Picks.
65..	Baker & Cogswell,.....	San Francisco,	Sundry articles from China and the Loo Choo Islands.
66..	J. R. Kelly,.....	" "	Specimens of Graining.
67..	C. Pfister,.....	" "	One Gentleman's Wig.
68..	G. F. Whiteman,.....	" "	Model of "Stetson's Amalgamator."
69..	J. G. Clark,.....	" "	Specimens of fine Furniture.
70..	David Bush,.....	" "	A Show Case of Hair-work.
71..	Garratt & Greenberg,...	" "	A Show Case of Brass-work.
72..	Collins & Tiffany,.....	" "	A Show Case of Hats and Caps.
73..	Nickerson, Stahl & Quinn,	" "	A Show Case of Hats.
74..	D. Abraham,.....	" "	One Case and two Caps.
75..	Jos. Taney,.....	" "	A Lady's Work-box.
76..	F. W. Macondray,.....	" "	A Show Case of Fruits.
77..	Mrs. M. C. Fox,.....	" "	A Patch-work silk Cradle Spread.
78..	Mrs. C. Trout,.....	" "	Two Baskets, in imitation of coral.
79..	Wells, Fargo & Co.,	" "	One Benzole Gas Machine, of forty lights, by J. C. Pedrick.
80..	B. McDougall,.....	" "	Two Benzole Gas Machines, of five lights, by same.
81..	Mrs. M. P. Smith,.....	" "	Specimens of Worsted Work.
82..	Madame Pique,.....	" "	A case of Artificial Flowers.
83..	J. M. Classen & Co.,.....	" "	Two boxes of Soda Water.
84..	Kirby, Jones & Co.,.....	" "	Twenty-four Sides of Leather.
85..	E. Künitz,.....	Santa Cruz,...	Two boxes of Glue.
86..	Miss Elizabeth Kennedy,	San Francisco,	Three Paintings, in water colors.
87..	Mrs. — Kentfield,.....	" "	A quilted Bed-Cover.
88..	Miss Ella Badger,.....	" "	A Landscape, (first effort.)
89..	Mrs. — Spaulding,.....	" "	A Skirt quilted by sewing machine.
90..	C. C. Ordeman,.....	Sacramento,...	Engraving of the State Capitol.
91..	C. D. Posten,.....	Gads. Purch.,	Silver Ore from the Tubac mines.
92..	A. Kohler,.....	San Francisco,	Show Case of Toys and Fancy Goods.
93..	Miss E. M. V. McParlan,.	" "	A Picture Frame of leather-work.
94..	M. Verdin,.....	" "	A Show Case of Boots.
95..	A. Stott,.....	" "	Two <i>fac similes</i> of Grave Stones.
96..	Mrs. D. Klumpke,.....	" "	Carpet and Bed-Spreads of crochet work.
97..	Kennedy & Bell,.....	" "	Two Hearth Rugs and one case of Upholsterer's Fixtures.
98..	John Bender,.....	" "	A Piano Forte.
99..	L. Franklin,.....	" "	Twelve Cæsars, in silver.
100..	Bloomer & Raye,.....	" "	Six Window Sashes, figured Glass.
101..	— Maige,.....	" "	Specimens of imitation Asphaltum.
102..	G. Leonard,.....	" "	A model Potato Digger.
103..	H. McNally,.....	" "	Farming and Domestic Implements.
104..	J. G. Gimmy,.....	" "	A brass Coffee Pot.

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
105.	Mrs. — Lang,.....	<i>San Francisco,</i>	A Show Case of Caps.
106.	Mrs. — Kowalsky,.....	“ “	A Show Case of Bonnets.
107.	A. McPherson,.....	“ “	A Show Case of Shells.
108.	B. Lagoarde,.....	“ “	Guns and Pistols, imported.
109.	F. Gruber,.....	“ “	A Case of Stuffed Birds.
110.	Roncati & Spanna,.....	“ “	A Marble Mantelpiece and Floor.
111.	Parrott & Co.,.....	“ “	Two Bottles of Vinegar.
112.	Miss Carrie W. Hawks,..	“ “	A Pencil Sketch.
113.	Mrs. — Blaser,.....	“ “	A Crochet Bed Spread.
114.	J. H. Atkinson,.....	“ “	Cluster of Acorns in Heart of a Tree.
115.	W. M. Pierson,.....	“ “	Specimens of Penmanship.
116.	P. A. Giannini,.....	“ “	A Watch Case.
117.	C. F. Marwedel,.....	“ “	Five Steam Guages.
118.	N. Gray,.....	“ “	A Large Oil Painting.
119.	J. C. E. Klepzig,.....	“ “	A Show Case of Guns.
120.	Frank Fowler,.....	“ “	A Crayon Drawing.
121.	J. Ottignon,.....	“ “	Sixteen pieces of Willow Ware.
122.	Jacob Zech,.....	“ “	Two Piano Fortes.
123.	Mrs. — Lathrop,.....	“ “	An Embroidered Skirt.
124.	Miss Emma Green,.....	“ “	An Alum Card Basket.
125.	G. C. Yount,.....	<i>Napa,.....</i>	A Bag of Flour and Box of Fruit.
126.	W. Langerman,.....	<i>San Francisco,</i>	A Needle Work Picture, and Pair of Embroidered Cushions, imported.
127.	L. Teese & Son,.....	“ “	Three Sluice Forks.
128.	Mrs. H. N. Baldwin,.....	“ “	A Crochet Tidy.
129.	Jas. Neall,.....	“ “	Specimens of Marble, Iron, and Lime Stone, from Placer County.
130.	G. R. Trudon,.....	“ “	Photographic Views of S. Francisco.
131.	Dall & Anderson,.....	“ “	Coal from Bellingham Bay.
132.	M. Harris,.....	“ “	A Show Case of Caps and Furs.
133.	Jas. M. Hutchings,.....	“ “	Sketch of Yo Hamite Valley, by Thos. Ayres.
134.	Miss R. Paul,.....	“ “	Two Landscape Drawings.
135.	J. T. Pennell,.....	“ “	Three Large Planks.
136.	Mrs. A. T. Oakes,.....	“ “	Oil Paintings and Crayon Sketch.
137.	F. Eck,.....	“ “	Utensil for drawing Wine.
138.	C. Lacey,.....	“ “	Four Architectural Drawings.
139.	Mrs. S. A. Slater,.....	“ “	Two Crochet Tidies.
140.	S. L. Mastick & Co.,.....	“ “	A Shark's Jaws, 15 inches wide, five rows of teeth, from Chincha Isl'ds.
141.	J. W. Shaffer,.....	“ “	A Box of Cigars, Cala. manufacture.
142.	H. P. Carlton,.....	“ “	A Tree of Stuffed Birds.
143.	Mrs. — Sanders,.....	“ “	Six Frames of Algæ.
144.	Jas. Urban,.....	“ “	A Guitar and two Violins.
145.	Jacob Michelup,.....	“ “	A Suit of Tin Armor.
146.	Mrs. G. O. Perry,.....	“ “	An Embroidered Scarf.
147.	Mrs. J. H. Storer,.....	“ “	Specimens of Embroidery.

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148..	Mrs. J. H. Pool,.....	<i>San Francisco,</i>	Specimens of Embroidery.
149..	Mrs. J. Moulton,.....	" "	A Frame of Tufted Work.
150..	Mrs. W. H. Ratterberry,.....	<i>Sacramento,</i>	A Fancy Pin Cushion.
151..	F. McKenna,.....	<i>San Francisco,</i>	A Case of Stuffed Birds.
152..	R. L. Robertson,.....	" "	Specimens of Coal from Alameda County and Bellingham Bay.
153..	P. Hudson,.....	" "	A Model of a Schooner.
154..	D. C. M. Goodsell,.....	" "	Two Models of Steamboats, and one of a Schooner.
155..	Miss M. A. Mannie,.....	<i>Brooklyn,</i>	A Frame of Leather Work, and a Bed Quilt.
156..	W. C. Harbison,.....	<i>San Francisco,</i>	A Sample of Brick Work.
157..	Amalie Hammes,.....	" "	An Embroidered Cushion.
158..	Mrs. Elise Hatel,.....	" "	A Bead Basket, Cover, and Mat, and a Jar of Preserved Melons.
159..	Swain & Slocum,.....	" "	A Show Case of Boots and Shoes.
160..	Mrs. C. Kromberger,....	" "	Two Crochet Metal Bead Purses.
161..	E. J. Muygridge,.....	" "	Three ChromoLithographic Pictures, and a Show Case of Books, imp'd.
162..	J. Hustel,.....	" "	An Amalgamator.
163..	C. Nahl & Brother,.....	" "	Oil Painting, and a Portrait in Ink.
164..	Miss Susan Coffin,.....	" "	A Basket of Wax Flowers.
165..	W. P. Ewing,.....	<i>The Geysers,</i>	Mineral Deposits; from the Geysers.
166..	Mr. — Wuurtz,.....	<i>San Francisco,</i>	A Straight-Edge, Sewing Tongue, Needle, and Steel Stand.
167..	B. Gardiner,.....	" "	Harness and Saddlery.
168..	Park & Cox,.....	" "	A Large Pumpkin.
169..	Mrs. J. E. Ruggles,.....	" "	An Embroidered Skirt.
170..	Jarvis Jewett,.....	" "	An Artificial Leg, by Palmer, Phila.
171..	J. J. LeCount,.....	" "	A Paper-Ruling Machine, and specimens of Blank-Book Binding.
172..	Kuchel & Dressel,.....	" "	Lithographic Views.
173..	Britton & Rey,.....	" "	Specimens of Lithography.
174..	W. F. Camp,.....	" "	Samples of Saws for Butchers.
175..	— Shed,.....	" "	A Landscape in Oil.
176..	T. S. Officer,.....	" "	A Portrait in Oil.
177..	Jones, Wool & Sutherland	" "	Three Engravings.
178..	J. J. Nicholson,.....	" "	An Oil Painting, 300 years old, from Old Church at San Raphael.
179..	J. Hans, C. Feiger & Co.,	" "	Wooden Ware; four Tubs, two Pails.
180..	Mrs. J. B. Taylor,.....	" "	A Bed Quilt.
181..	E. Franklin,.....	" "	Nine Pictures in Oil, imported.
182..	Mrs. John Torrence,....	" "	A Knitted Quilt.
183..	Miss — Richter,.....	" "	A Hair Necklace.
184..	L. R. Townsend,.....	" "	Twenty-one Architectural Pictures.
185..	J. C. Hoyt,.....	" "	Two Pictures; two Models of Ships.
186..	F. Nutz,.....	" "	A Sign.

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187.	— Halket,.....	<i>Yuba County,</i>	Four Pickaxes.
188.	Mrs. — Hazenberg,.....	<i>San Francisco,</i>	Two Lamp Shades, and one Tidy.
189.	Mrs. — Meclat,.....	“ “	A Case of Millinery.
190.	McKinlay, Garrioch & Co.	“ “	A Drummond Churn, Edinburgh.
191.	F. W. Jackson,.....	“ “	A Wax Medallion.
192.	M. Dobezensky,.....	“ “	Two Gas Meters, (wet and dry.)
193.	J. J. Fulton & Co.,.....	“ “	Leather, and Morocco Skins.
194.	Mrs. — Howell,.....	“ “	A Vase of Wax Flowers.
195.	A. Edouart,.....	“ “	A Portrait of a Child.
196.	Thos. Donnelly,.....	“ “	A Box of Yeast Powders.
197.	F. Kesmodel,.....	“ “	A Case of Cutlery.
198.	Madame Bigot,.....	“ “	A Show Case of Laces, &c.
199.	Miss A. Smith,.....	“ “	Portrait of Washington, in worsted.
200.	Miss M. Van Houten,....	“ “	A Crayon Sketch, and a Painting.
201.	Mrs. — Van Hooten,....	“ “	A Jar of Quince Jelly.
202.	Lohse Brothers,.....	“ “	A Bag of Wheat.
203.	Saml. Adams,.....	“ “	Medicines, and Fly-Killing Paper.
204.	Melville, Kelsey & Co.,..	“ “	Three Applegate's Chains, and one pair of Cable Hooks.
205.	Mrs. E. S. Prescott,.....	“ “	A Needle-Work Cape.
206.	J. A. Wolfe,.....	“ “	Eight Brooms.
207.	Wm. Elmendorf,.....	“ “	A Hand Seed-Planter, imported.
208.	A. Tasheira,.....	“ “	A Crayon Sketch.
209.	W. Lawler,.....	“ “	A Show Case of Silver Ware, and Gold and Quartz Jewelry.
210.	Fay & Brother,.....	“ “	A Box of Soap.
211.	Miss Nettie Doud,.....	“ “	A Worsted Lamp Mat.
212.	Isaac S. Josephi,.....	“ “	Watchmakers' and Jewelers' Tools.
213.	J. W. Bacon,.....	“ “	An improved Bench-Vice and Bench.
214.	J. Rossiter,.....	“ “	Specimens of Painting on wire-work, Venetian Parlor Blind, and Awning.
215.	W. R. Richardson,.....	<i>Brooklyn,</i>	A Quince, and Apple Seedlings.
216.	J. C. Davis,.....	“ “	A Patent Lamp.
217.	M. S. & B. Brown,.....	<i>San Francisco,</i>	Specimens of Pure Jamaica Ginger.
218.	C. Rohrle,.....	“ “	Artificial Flowers, Glue, and Soap.
219.	J. Dorman,.....	“ “	A Model of a Malay Proa.
220.	N. Larco,.....	“ “	A Picture—"Christ and Mary Magdalene." Imported.
221.	Mrs. A. P. Glover,.....	“ “	A Worsted Ottoman, and Child's Embroidered Skirt.
222.	Thos. M. Swan,.....	<i>Suisun,</i>	Specimens of Marble from Suisun.
223.	Theo. Wetzel & Co.,.....	<i>San Francisco,</i>	Candles, and Stearine.
224.	J. Landsberger & Co.,...	“ “	Three Mirrors, imported.
225.	Mrs. — Philips,.....	“ “	A Music Scene, in worsted.
226.	Miss Josephine Renton,...	“ “	Two Pictures, worked in worsted.
227.	Louis Nagel,.....	“ “	Specimens of Lithographs.
228.	G. Woods,.....	“ “	A Picture ; bottles Hair Mixture.

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229.	Sierra Nevada Mills,	<i>San Francisco,</i>	A Bag of Flour.
230.	Miss M. C. T.,	" "	Three Toilet Mats.
231.	C. E. Collins,	" "	A Show Case of Millinery.
232.	Newman, Bros.,	" "	A Case of Brushes.
233.	C. Nahl,	" "	A Specimen of Pen Drawing.
234.	Miss — Buel,	" "	"King John signing Magna Charta," in worsted.
235.	Mrs. — Jacquinet,	" "	Three Cases of Hair-work.
236.	S. A. Hastings,	" "	An Indian Princess' Dress.
237.	H. L. Bell,	" "	A Deep-sea-sounding Marker.
238.	N. Bush,	" "	Two Paintings.
239.	S. H. Williams,	" "	Four Architectural Drawings.
240.	Leon Bigot,	" "	Specimens of Embroidery.
241.	Deeth & Starr,	" "	Ship Bread and Crackers.
242.	S. B. Taylor,	" "	A Bale of Printing Paper.
243.	Oakley & Co.,	" "	Specimens of Plated Work.
244.	J. H. Dunnell,	" "	Sewing Machine, by Singer & Co., N.Y.
245.	H. Secor,	" "	Specimens of Marble and Carving.
246.	Mmes. Besson & Pons, . . .	" "	A Show Case of Millinery.
247.	S. E. Oakley,	" "	A Keg and a doz. Bottles of Cider.
248.	B. Gardiner,	" "	Two English Saddles, two Bridles, etc.
249.	F. A. Knowles,	" "	Specimens of Cooperage.
250.	De Boom & Greenwood, . .	" "	Ten Bags of Salt.
251.	E. J. Loomis,	" "	A Vegetable Weeder.
252.	S. W. Shaw,	" "	Three Paintings.
253.	Mrs. Wm. Corbett,	" "	Specimens of Embroidery.
254.	Adam Meyer,	" "	Kegs and Bottles of Lager Beer.
255.	Mrs. M. H. Fisher,	" "	Four pieces of Needle-work.
256.	McKenna & Pilling,	" "	Three bottles of Hair-dye.
257.	A. Jellineck,	" "	Sword Cane, specimen of turning.
258.	S. Anderson,	" "	Nutmegs, from Singapore.
259.	Kreig, Jeneve & Nightin- gale,	" "	A Book Case.
260.	Stolze & Meiners,	" "	A pair of Riding Boots.
261.	L. S. Ford,	" "	Three sacks of Malt.
262.	Mrs. B. O. Devoe,	" "	Flower Paintings, in water colors.
263.	Mrs. — Constant,	" "	A Show Case of fine Goods.
264.	S. A. Lister,	" "	A Crayon Sketch of a Head.
265.	B. Carson,	" "	Specimens of Card Engraving.
266.	A. C. Kornfeld,	" "	Silk and Velvet Gowns.
267.	Gottlieb Hanisch,	" "	A Silk Quilt.
268.	Mrs. J. E. Ober,	" "	Two pieces of Needle-work.
269.	W. Harper,	" "	A Keg of Syrup.
270.	Mrs. — Madigan,	" "	One Chinese Talma, &c.
271.	Mrs. — Stone,	" "	A Deed, in the style of 1764.
272.	C. P. Kimball,	" "	Scrap-book of California Views, &c.
273.	J. M. Bogart,	" "	A Case of Sporting Goods.

No.	Names of Depositors.	Residence.	Articles Deposited.
274.	Mrs. E. Blochman,.....	San Francisco,	A Case of Bonnets.
275.	J. S. Paxon,.....	" "	Six Pumps and a Model, imported.
276.	Wright Harris,.....	" "	Two Signs.
277.	J. G. Coleman,.....	" "	"François Xavier," painted by D. D. Neal, and other Pictures, imported.
278.	P. J. Devine & Co.,.....	Sacramento,...	Two samples of Soap-stone.
279.	J. S. Brady,.....	Mokelumne R.,	A Model of a Patent Amalgamator.
280.	John Mason,.....	San Francisco,	Ale and Porter from Eureka Brewery.
281.	Auberlen & Eggert,.....	" "	An iron Safe Alarm Lock.
282.	E. Anderson,.....	" "	A Barrel of Ale.
283.	Mrs. Sarah Mish,.....	" "	A Case of Bonnets.
284.	Mrs. J. P. Whitney,.....	" "	A tufted Lamp Stand.
285.	C. G. Gray,.....	" "	A Portrait, by H. P. Gray.
286.	F. G. Barnard,.....	" "	An Ivory Silk-Reel.
287.	Mrs. H. C. Parker,.....	" "	A Baby's Embroidered Blanket.
288.	John Davis,.....	" "	Samples of Soap from California soap-plant and Chile soap-bark.
289.	John Woolaver,.....	" "	A Physician's Desk.
290.	A. Warner,.....	" "	Two Metallic pieces, one wide Board.
291.	A. B. Forbes,.....	" "	A Case of Birds, and two Pictures.
292.	D. Ghirardelli,.....	" "	Twelve bottles of Coffee Syrup.
293.	H. C. Beals,.....	" "	A Family Group, and a Lithograph.
294.	Eli Cook,.....	" "	Two Oil Paintings, by D. D. Neal.
295.	A. D. Baker,.....	" "	Two Boxes of Pickles.
296.	Mrs. Benjamin and Miss Donohoe,.....	" "	A Show Case of Millinery.
297.	C. L. Ingoldsby,.....	San José,....	A Box of Peaches.
298.	F. Eisen,.....	San Francisco,	Samples of Wheat and Flour.
299.	H. Macaire,.....	" "	A Case of Starch.
300.	Mrs. S. Theobalds,.....	Mis'n Dolores,	Tufted-work, in worsted.
301.	Mrs. — Levison,.....	San Francisco,	A Portfolio, embroidered cover.
302.	W. Fields,.....	" "	Chamois and other Skins.
303.	H. C. Hudson,.....	" "	Mustard, Mustard Seed and Oil,
304.	Dennis' Wire Works,....	" "	Specimens of Wire-work.
305.	Auguste Jouan,.....	" "	Ship Models, with fins and elastic lee-boards ; Self-acting deep sea lead ; Apparatus for fermentation, &c.
306.	John Fitzpatrick,.....	" "	Trunks, Valises, and Lady's Hat-box.
307.	Mrs. — Hort,.....	" "	Embroidered "Moses."
308.	Miss Julia Hort,.....	" "	Specimens of Embroidery.
309.	Miss Hattie Hort,.....	" "	Specimens of Embroidery.
310.	Mrs. Thos. Hughes,.....	" "	Painting of Flowers.
311.	Hucks & Lambert,.....	" "	Axle-grease, and Self-generating Gas
312.	W. Aldrich,.....	Oakland,.....	A Gopher Trap. [Lamps.
313.	F. Roncati,.....	San Francisco,	Candlesticks, and Card-basket, imp'd.
314.	H. Hangary,.....	" "	Washing, from Chelsea Laundry.
315.	Mrs. — Hazenberg,.....	" "	Landscapes, and Case of Flowers.

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316..	E. D. Waters,.....	San Francisco,	Chair of Wood, and Cradle, imp'd.
317..	J. Crawford,.....	" "	A Walking-Stick.
318..	Locan & Co.,.....	" "	Pictures in Worsted Work.
319..	David Stoddart,.....	" "	Model of Fire-Ladder, by Van Am- ringe, Cincinnati, Ohio.
320..	Dean & Oliver,.....	" "	Specimens of Graining.
321..	Mrs. C. Davenport,.....	" "	An Embroidered Skirt.
322..	H. F. Whittemore,.....	" "	Type-Setting and Distributing Ma- chine, by Alden, of New York.
323..	A. Teissiere,.....	" "	A Portrait, in Oil.
324..	Miss A. Suñol,.....	" "	"Franklin," Embroidered.
325..	R. F. Knox & Co.,.....	" "	Samples of Oils.
326..	Jos. McGregor,.....	" "	A Sextant, imported.
327..	B. F. Chase & Co.,.....	" "	Bbls. and Half-Bbls., machine made.
328..	Jos. Perkins,.....	" "	Water Elevator, for Cattle to water themselves, (Ayres' Patent.)
329..	O. J. Backus & Co.,.....	" "	Cooking Stoves and Furniture, im- ported.
330..	Mrs. — Hilton,.....	" "	Lamp Mat, and Picture. [ported.
331..	Chas. Kaeding,.....	" "	A Fancy Table Cover.
332..	J. C. Meussdorffer,.....	" "	A Show Case of Hats.
333..	C. Landis,.....	" "	Samples of Shell Polishing, &c.
334..	A. P. Procureur,.....	" "	Watch Case, specimen of Engraving.
335..	F. Fillman,.....	" "	A Safe, imported.
336..	Benj. Richardson,.....	" "	"Ash Leaf" Kidney Potatoes.
337..	Nash & Beamis,.....	" "	Boots, imported.
338..	C. H. Raymond,.....	" "	Chrome Red and Yellow of Califor- nia Minerals, Syrup, and Sugar of Water Melons.
339..	T. Ogg Shaw,.....	" "	Agricultural Implements.
340..	Boyd & Co.,.....	" "	Two Show Cases of Hats.
341..	John Shirley,.....	" "	Water Jars, and Cut Glass Bowls, imported.
342..	Holcombe & Dole,.....	" "	Boots and Shoes, Wholesale Goods.
343..	Alexander Stott,.....	" "	Lithograph of Capt. Barclay.
344..	J. B. Trask,.....	" "	Quartz, and other Minerals.
345..	E. F. Anthony & Co.,....	" "	Specimens of Repacking for Mines.
346..	Mrs. C. Wood,.....	" "	Ottoman Covers, Tufted Work, &c.
347..	Mrs. — Neall,.....	" "	Satin Cushion, painted Design, Pine Cone Basket, Sea Mosses, &c.
348..	A. J. Bigelow,.....	" "	Five Boxes of Family Soap.
349..	J. D. Arthur,.....	" "	Subsoil Plow, and Onion Weeder, Allen's Patent.
350..	Cudworth & Co.,.....	" "	Two Cases of Soda Water.'
351..	Mrs. E. Fales,.....	Mis'n Dolores,	Two Paintings, and a Shell Frame.
352..	Mrs. Francis Ainsa,....	San Francisco,	Frame of Moss and Pressed Flowers.
353..	C. F. Hamilton,.....	" "	Twenty-three Ambrotypes.
354..	V. Marziou & Co.,.....	" "	A Mechanical Kneading-Trough.

No.	Names of Depositors.	Residence.	Articles Deposited.
355.	Mrs. B. Gordon,.....	San Francisco,	Silk Dress, &c., Sample of Needlew'k.
356.	Jas. McGovern,.....	" "	Brass Castings, and a Solar Lamp.
357.	W. Shear,.....	" "	A Case of Bonnet Frames.
358.	T. L. Jacks,.....	" "	An Indian Mortar.
359.	Mrs. S. F. White,.....	" "	A Pastille Portrait of Raphael.
360.	C. G. Finney & Co.,.....	" "	A Sack of Flour.
361.	S. H. Grassheim,.....	" "	A Case of Caps.
362.	M. Leszynski,.....	" "	A Button Machine.
363.	Gottlieb Strahle,.....	" "	A Centre Table, and Embr'd Cover.
364.	C. E. Lang,.....	" "	Paintings of Fruit.
365.	Miss H. Nahl,.....	" "	Embroidery on Paper.
366.	Jones, Wool & Sutherland,	" "	Business Sign, Sample Frame Mak'g.
367.	Victor Hoffman,.....	" "	Water Color Painting, Drawing, &c.
368.	Thos. Donnelly,.....	" "	Portraits, in Oil.
369.	Miss Belen Ainsa,.....	" "	Pressed Flowers.
370.	Mrs. Isabella Duff,.....	" "	A Show Case of Millinery.
371.	W. Searle,.....	" "	Three pieces of Smoked Beef.
372.	Miss Francis Bridgewood,	" "	Needle Work, in a Frame.
373.	G. W. Phipps,.....	" "	Perpetual Motion, and Pump.
374.	Nelson & Doble,.....	" "	Stonecutter's Tools.
375.	J. A. Hobart,.....	" "	Sample of Hops.
376.	I. Deconclois,.....	" "	Photographs, painted in Oil.
377.	G. B. McGreavey & Co.,	" "	A Barrel of Flour.
378.	W. G. Badger,.....	" "	Two Pianos and Stools, imported.
379.	Miss M. J. Lee,.....	Alameda,....	An Embroidered Table Cover.
380.	Miss É. M. Ringot,.....	San Francisco,	A Bird, painted in Oil.
381.	Jos. G. Armor,.....	" "	Sign on Glass, Oil Painting of Still
382.	Newman, Bros.,.....	" "	A Show Case of Brushes. [Life.
383.	L. P. Fisher,.....	" "	Specimens of Business Cards.
384.	F. Hillinghaus,.....	" "	A Rifle.
385.	Figel & Bro.,.....	" "	Samples of Furnishing Goods.
386.	John Hudson,.....	" "	Deep-Well Pump, and Liquor Pump.
387.	M. Schachmann,.....	" "	A Gold Finger-Ring.
388.	Joshua Child,.....	Alameda,....	Chinese Sugar Cane.
389.	M. Bach,.....	San Francisco,	A Billiard Table.
390.	J. H. Dunnell,.....	" "	Landscapes, and Ford's Patent Sash.
391.	Mrs. M. Dennis,.....	" "	A Case of Shell Work.
392.	Miss Winnie B. Coffin,...	" "	Two Shell-Work Baskets.
393.	Mrs. H. Coffin,.....	" "	An Inlaid Box.
394.	W. D. Farrand,.....	" "	A Model of Self-Coupling Cars.
395.	Miss Julia A. Fields,....	" "	A Silk Bed-Spread.
396.	G. B. Post,.....	" "	Model of a Frigate.
397.	Miss M. E. Torrey,.....	" "	Leather-work Whatnot, Papier Ma- ché Table Top, and Crochet Work.
398.	Mrs. E. N. Torrey,.....	" "	Palm Leaf Baskets.
399.	Mrs. L. P. Collins,.....	Sacramento,...	Convolvulus Mat, Embr'd Skirt, &c.
400.	Mrs. A. B. Huntington,...	San Francisco,	Two Tidies.

No.	Names of Depositors.	Residence.	Articles Deposited.
401.	S. Brannan,.....	San Francisco,	Tubular Bricks, and Water Pipes.
402.	W. O'Donnell,.....	San José,....	Specimens of Fruit.
403.	F. G. Johnson,.....	Brooklyn,....	Self-Regulating Windmill, Portable Letter Press, Non-evaporat'g Can.
404.	C. F. Robbins,.....	San Francisco,	Job Printing Presses, imported.
405.	William McKibbin,.....	" "	Iron Railing, Eureka Key and Clamp
406.	J. De La Montanya & Bro.	" "	Cooking and Parlor Stoves. [Bridge.
407.	Miss E. Pelleux,.....	San José,....	Specimens of Needle Work.
408.	C. T. Ryland,.....	" "	A Bag of Apples.
409.	I. S. Josephi,.....	San Francisco,	Gold Pens, imported. [of a Tree.
410.	R. T. Wells,.....	Mayfield,....	Bunch of Oats, Rock in the Centre
411.	J. M. Cushing,.....	San Francisco,	Smoked Beef, and Large Pair Horns.
412.	A. Chator,.....	" "	Impurities from China and Manila
413.	Miss M. E. Wainwright, ..	" "	A Musical Clock, imported. [Sugar.
414.	Mrs. V. Dickerman,.....	" "	An Embroidered Collar.
415.	Braverman & Levy,.....	" "	A Golden Goblet.
416.	I. Braverman,.....	" "	Cigars of California Tobacco.
417.	S. H. Greene,.....	" "	Two Pictures, imported.
418.	Henry Moise,.....	" "	A Picture Frame.
419.	Mme. Marie Bazille,.....	" "	A Show Case of Millinery.
420.	P. Mazzara,.....	" "	Busts, Medallions, and Cameos.
421.	C. J. Hawley,.....	" "	Model of Ship, and Bows, Clubs, &c., from Sandwich and Fejee Islands.
422.	Stott & Co.,.....	" "	Three Jars Residue and Camphene.
423.	M. Chauvau,.....	" "	Show Case of Orthopedic Instrum'ts.
424.	Silas Selleck,.....	" "	Eleven Colored Ambrotypes.
425.	Arnold P. Veldhausen, ..	" "	Specimens of Card Writing.
426.	Lawrence & Houseworth,	" "	Mathematical, Optical, and Philo- sophical Instruments, imported.
427.	J. P. Bush,.....	" "	Robe of the King of Society Islands.
428.	Miss G. Jane Lane,.....	" "	Specimen of Old Penmanship.
429.	Pacific Oil Works,.....	" "	Four Jars of Oil, Picture of Works.
430.	Mrs. J. B. Levet,.....	" "	Worsted Tufted Work.
431.	C. Hendrick,.....	" "	Spoons, &c., of Silver and Gold ; a Watch Case made here in 1851.
432.	Mrs. Jno. McHardy Hay,	" "	Satin Pillow Covr'g, Painted Design.
433.	Pennsylvania Fire Co...	" "	Three Paintings, and Frame of Da- guerreotypes of Members, for show.
434.	Empire Engine Co.,.....	" "	Engine of Company, by H. E. Worth.
435.	Mrs. Mary Bell,.....	" "	Large Sheet Paper, Indian manuf're.
436.	Miss M. Kennedy,.....	" "	A Sketch in India Ink.
437.	Mrs. — Fogg,.....	" "	A Pincushion, Embroidered in Gold.
438.	Chas. Ward,.....	" "	A Monument of Marble, from Suisun.
439.	John Grant,.....	" "	A Marble Mantelpiece.
440.	Jos. Hastler & Bro.....	" "	A Gravestone.
441.	John Tomlinson,.....	" "	Specimens of Graining. [imported.
442.	Thos. Robinson,.....	" "	Engravings, Oil Paintings, and Signs.

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
443.	Lester & Gibbs,.....	San Francisco,	Show Case of Shoes and Boots.
444.	G. Mitchler,.....	" "	Confectionery.
445.	E. G. Jefferis,.....	" "	A Silver Boehm Flute, imported.
446.	J. D. Coulter,.....	" "	Two Picture Frames.
447.	Baker, Waite & Battles,.	" "	Specimens of Hulled and Cleaned Rice, Peas, Coffee, &c.
448.	J. T. Pidwell,.....	" "	A Secretary Bedstead.
449.	J. C. E. Klepzig & Co.,..	" "	Two Guns, and a Switch.
450.	Mrs. H. G. Otis,.....	" "	Two Worsted Patterns for Ottomans, a Quilt, and a Tufted Lamp-Mat.
451.	T. P. Tyler,.....	" "	A Fancy Work-Box.
452.	R. F. Knox,.....	" "	A Whaling Scene, and ps. of Coral.
453.	Atwill & Co.,.....	" "	Musical Instruments, &c., imported.
454.	L. P. Garcin,.....	" "	A Model of a Windmill.
455.	Mrs. Ann E. Irwin,.....	" "	Children's Furnishing Goods.
456.	W. H. Bovee & Co.,.....	" "	Samples Coffee, Mustard, and Spices.
457.	Miss C. A. Hudson,.....	" "	A Show Case of Crochet Work.
458.	Miss M. H. Hudson,.....	" "	Three Crochet Needles. [Colors.
459.	H. Eastman,.....	" "	Engravings and Paintings in Water
460.	Kreig, Geneve & Nacht- ingale,.....	" "	An Office Chair, and an Easy Chair.
461.	D. Ghirardelli,.....	" "	Six Boxes Chocolate.
462.	W. Post,.....	" "	Two Pieces of Needle Work.
463.	Mrs. M. A. Post,.....	" "	Four Pieces of Shell Work.
464.	John Bach,.....	" "	A Rifle.
465.	Smith Cram,.....	" "	A Model of a Quartz Crusher.
466.	G. Reuther,.....	" "	A Model of a Hoisting Machine.
467.	Christian Steel,.....	" "	A Leveling Instrument.
468.	A. Schmolz,.....	" "	A Clinometer.
469.	Mrs. Mary B. Bennett, and Mrs. — Kinman,.....	" "	A Show Case of Infants' Bonnets.
470.	W. H. Van Sicklen,.....	" "	A Mexican Saddle.
471.	Nicholas Mondragon,....	" "	A Mexican Bridle.
472.	A. Ryckman,.....	" "	A Model of a Clipper Ship.
473.	R. Deighton,.....	" "	A Side Saddle.
474.	Miss C. A. Barker,.....	" "	Two Ottoman Tops.
475.	M. Engel,.....	" "	Specimens of Ivory Turning.
476.	G. O. Whitney,.....	" "	Specimens of Fine Furniture.
477.	Miss Jenny Hoyt,.....	" "	A Landscape.
478.	Otto Deussing,.....	" "	Japanned Tin Ware, and Toys.
479.	Park & White,.....	" "	Show Case of Pat. Medicines, impt'd.
480.	W. Meydenbaur,.....	" "	A Painting, by Leszinsky.
481.	W. Schad,.....	" "	A Beehive of Cake.
482.	John Taylor,.....	" "	A Case of Glass Ware, imported.
483.	Mary E. Gushee,.....	" "	A Landscape.
484.	G. S. Dickey & Co.,.....	" "	A Washing Machine, imported.
485.	B. F. Fish,.....	" "	A Diploma, and Engrav'g of Horses.

No.	Names of Depositors.	Residence.	Articles Deposited.
486.	L. Breidenstein,.....	San Francisco,	A Lady's Table.
487.	J. S. Wethered,.....	" "	A Picture of Steamer "Atlantic."
488.	J. B. Bannerman,.....	" "	Specimens of Engraving.
489.	E. J. Evatt,.....	" "	A Bell Annunciator. &c., imported.
490.	Mrs. E. J. Seth,.....	" "	A Case of Millinery.
491.	J. D. Godeus,.....	" "	A Box of Washing Fluid.
492.	Daniel Evatt,.....	" "	A Slide Rest.
493.	John Evatt,.....	" "	A Large Knife, Fork, and Spur.
494.	Hutchings & Rosenfield,.	" "	Specimens of Wood Engraving.
495.	Tice & Bro.,.....	" "	Model of Rustic Front, of Pressed
496.	Mercer & Bernheim,....	" "	Seventy-five Jars of Candy. [Brick.
497.	Albert Küner,.....	" "	Specimens of Seal Engraving.
498.	Thos. H. Selby & Co.,...	" "	Brass Work, and Pumps, imported.
499.	James Rossiter, Jr.,....	" "	Window Shade, on Patent Rollers.
500.	John Short,.....	" "	Working Model of Ynba Engine.
501.	Walter & Tompkins,....	" "	A Show Case of Fine Clothing.
502.	B. F. Moses,.....	" "	Five Chinese Pictures. [Fountain.
503.	Jos. Burnett,.....	Suisun,.....	Specimens of Marble, and a Marble
504.	T. Rodgers Johnson,....	San Francisco.	Regalia, and impt'd Military Goods.
505.	G. W. Woolley,.....	" "	Specimens of Penmanship.
506.	Thos. Varney,.....	" "	Two Gas Machines, a Gasclier, and
507.	Aubin Gas Company,...	" "	Gas Fixtures, and Works. [Pipe.
508.	Mrs. W. E. Brown,.....	" "	Three Crayon Drawings.
509.	Philadelphia Brewery,...	" "	A Barrel of Lager Bier.
510.	S. D. Libbey,.....	" "	Brannan Fire Engine, imported.
511.	Moses Chinmark,.....	" "	Specimens of Petrified Wood.
512.	Cal. State Telegraph Co.,	" "	A Telegraph, and Office.
513.	H. O. Gaylord,.....	" "	Dr. Johnson's Philosophical Charts,
514.	L. W. Sloat,.....	" "	A Cabinet of Shells, &c. [imported.
515.	Conro & Berry,.....	" "	A Bag of Flour.
516.	Miss A. A. Welling,....	" "	Oriental Painting in Oil, two embr'd
517.	Mrs. M. A. Welling,....	" "	A Transfer Box. [Ottomans.
518.	Miss H. E. Welling,....	" "	An Oriental Painting, in Oil.
519.	Thos. H. Fletcher,.....	" "	A Door in Imitation of Oak, and two
520.	Adams & Bro.,.....	" "	Show Case of Hats. [Gothic Panels.
521.	Mrs. E. Edwards,.....	" "	A Grecian Painting.
522.	Miss Lizzic Mulloy,....	" "	A Monochromatic Picture.
523.	W. H. Pilgrim,.....	Sacramento, ..	A Clipper Ship, in Miniature.
524.	Mrs. D. C. Matteson,....	Stockton,.....	A Quilt.
525.	Jones & Stevens,.....	San Francisco,	Three Sewing Machines, imported.
526.	Smith & Freeman,.....	" "	A Newel Post.
527.	Brignardello & Machia- vello,.....	" "	Maccaroni, Vermicelli, and Wheat.
528.	A. Dubois & Co.,	" "	A Show Case of Jewelry.
529.	Cuddy & Wright,.....	" "	A Self-Reefing Topsail.
530.	D. C. Matteson,.....	Stockton,.....	Agricultural Tools.
531.	— Balmiger,.....	San Francisco,	A Bunch of Grapes.

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
532..	M. L. Winn,.....	San Francisco,	Two Cases of Confectionery.
533..	A. W. Piper,.....	" "	A Case of Confectionery.
534..	H. Moise,.....	" "	A Picture Frame.
535..	M. Dubourg,.....	" "	Specimens of Penmanship.
536..	Chas. Thierry,.....	" "	Case of Masonic Jewelry.
537..	F. Genard,.....	" "	Preserved Fruits, Meats, Fish, &c.
538..	A. J. Plate,.....	" "	Guns, Flasks, &c., domestic and im-
539..	Jas. Findla,.....	" "	Samples of Coal. [ported.
540..	Thos. Fliteroft & Co.,...	" "	Awnings, and Riggings.
541..	N. H. Wise,.....	" "	Samples of Granite, from Folsom.
542..	J. C. Davis,.....	" "	A Patent Lamp.
543..	Vulcan Iron Co.,.....	" "	A Steam Engine.
544..	L. B. Evatt,.....	" "	A Painting.
545..	Mrs. P. E. Rogers,.....	" "	Flowers, and Specimens of Machine
546..	Sam. Head,.....	" "	A Double-Action Pump. [Sewing.
547..	S. O. Brigham,.....	" "	Three Sewing Machines, imported.
548..	Mrs. P. Black,.....	" "	A Painting and Two Shell Frames.
549..	J. B. Goux,.....	" "	Specimens of Dyeing, Cloaks, &c.
550..	Vachon & Giron,.....	" "	A Show Case of Goods.
551..	W. C. Butler,.....	" "	Specimens of Wood Engraving.
552..	H. Sutro,.....	" "	A Clock, imported.
553..	H. McConnell,.....	" "	Show Case of Cutlery and Instrum'ts.
554..	L. Eckstein,.....	" "	A Show Case of Turning Balls.
555..	E. B. Goddard & Co.,...	" "	An Engine and Shafting.
556..	G. H. Johnson,.....	" "	Specimens of Photographs.
557..	Mrs. A. Steinhart,.....	" "	Needle-work, Wax-work and two Worsted Ottomans.
558..	H. Herzer,.....	" "	A Keg of Lager Beer.
559..	Jas. Findla,.....	" "	Four Oil Paintings.
560..	J. Hammersmith,.....	" "	A Bed-Quilt.
561..	Mrs. J. Stillman,.....	" "	Embroidery and Crochet-work.
562..	J. R. Loucks,.....	Napa,.....	A Case of Soda from Napa Springs.
563..	N. Vachon,.....	San Francisco,	A Notarial Seal.
564..	T. R. Johnson,.....	" "	A Pair of Venitian Blinds.
565..	Meuli & Schulthess,....	" "	Maccaroni and Vermicelli.
566..	Adrain & Story,.....	" "	Two Bolts Cotton Dnck.
567..	P. H. & P. A. Owens,....	" "	Four Coils of Rope, imported.
568..	Mrs. Jane M. Davis,....	" "	Dresses, and Velvet and Cloth Cloaks.
569..	Mrs. E. Short,.....	" "	A Quilt.
570..	Miss E. Short,.....	" "	Leather Frame of Hair-work.
571..	W. E. Goldsmith,.....	" "	Card and other Engraving.
572..	B. Le Clerc,.....	" "	A Cooking Range.
573..	Bond & Co.,.....	" "	A Case of Confectionery and Cake.
574..	Mrs. — Bond,.....	" "	A Machine for Ironing and Cooking.
575..	Mrs. T. J. Nevins,.....	Alameda,	A Bonnet, a Braid of Pine Leaf, &c.
576..	G. S. Bacon,.....	San Francisco,	A Model of a Steam Engine.
577..	Miss — Dent,.....	Sonora,.....	A Collar and Cuffs, Embroidery.

No.	Names of Depositors.	Residence.	Articles Deposited.
578..	John Lewis,.....	San Francisco,	A Model of a Brig. [saying.
579..	Waas, Uznay & Warwick,	" "	Show Case of Gold and Silver As-
580..	Thos. Young,.....	" "	Fur Capes and Cuffs, Cal. and O. T.
581..	W. Schmolz,.....	" "	Mathematical Instruments.
582..	H. Hoag,.....	" "	A Spiritual Telegraph.
583..	J. G. W. Schulte,.....	" "	Two Shells and one Cluster.
584..	Sansevaine Bros.	Los Angeles, ..	Kegs and Bottles of Cal. Wine.
585..	Woodside & Brown,.....	San Francisco,	A Laundry Wagon.
586..	Wm. Lyons,.....	" "	Two Worsted Mats.
587..	Little & Co.,.....	" "	Case of Drugs and a Glass Globe.
588..	A. Pierce,.....	Benicia,.....	Four Horseshoes.
589..	Samuel Brannan,.....	San Francisco,	Two Portraits.
590..	W. W. Dunn,.....	" "	Two Models of Engines, Cylinder,
		" "	Valve, and Hydrostatic Machine.
591..	W. H. Patten,	" "	Four Statuettes and a Model of the
		" "	Queen's Yacht.
592..	A. R. Baldwin,.....	" "	Three Blocks of Granite.
593..	A. Zakrzawsky,.....	" "	Two Engravings.
594..	Mrs. C. Davenport,.....	" "	A Bed Quilt.
595..	C. P. Kimball,.....	" "	Frogs, Lizards, Spanish Chair, &c.
596..	John Strong,.....	" "	A Gopher Trap.
597..	H. Bertrand & Co.,.....	" "	A Case of Hard Ware, imported.
598..	P. Pauckac,.....	" "	A Pair of Pantaloons.
599..	Coffey & Risdon,.....	" "	A Steam Boiler, and Fixtures.
600..	Cooper & Kimball,.....	Moccasin Cr'k,	Eleven Sacks of Quartz.
601..	Miss — Lee,.....	Alameda,.....	An Embroidered Lamp Mat.
602..	D. Howard,.....	" "	Specimens of Coal.
603..	J. L. Martel,.....	Mis'n Dolores.	Three Coyotes, two Boxes Knives.
604..	Madame Riblar,.....	San Francisco,	Bonnets, and Artificial Flowers.
605..	A. Barbier,.....	" "	Kegs and Bottles of Syrups.
606..	Anna N. Jones,.....	" "	A Pin Cushion.
607..	Charles Carl,.....	" "	A large Oil Painting.
608..	Miss Delia Kennedy,....	" "	A white Embroidered Opera Cape.
609..	J. G. Armstrong,.....	" "	A Wooden Flower-Pot.
610..	Miss Sarah Field.....	" "	A Sample of Hem-stitching.
611..	Mrs. S. F. White,.....	" "	Pastille Portraits of Webster and
			Raphael.
612..	J. C. Ayres,.....	" "	Locks, Bells, and Brass-work.
613..	W. McMichael,.....	" "	A Miniature, in India ink.
614..	— Rose,.....	San José,	Six Bottles of Syrup and Rose Water.
615..	Marziou & Co.,.....	San Francisco,	Maccaroni, Vermicelli, and Plaster.
616..	Mrs. — Baldwin,.....	" "	Child'n's Clothing, and F'cy Articles.
617..	A. Camp,.....	" "	A Copper Box.
618..	Edward Alexander,.....	" "	A Collection of Insects.
619..	Miss J. E. Clark,.....	" "	Dressing Case and Lady's Reticule.
620..	H. M. Lewis,.....	" "	Horse in Gold, solid block.
621..	John G. IIs,.....	" "	Two Baths, and a Water Pot.

No.	Names of Depositors.	Residence.	Articles Deposited.
622..	W. F. Herrick,.....	<i>San Francisco</i> ,	Specimens of Wood Engraving.
623..	Mrs. H. H. Fay,.....	" "	A Pin Cushion.
624..	C. S. Whitney,.....	" "	Two Oil Paintings, and two Castings.
625..	Woodworth & Co.,.....	" "	Pianos, and Melodeons, imported.
626..	Miss Julia Lawless,.....	" "	Picture, in water color and India ink.
627..	Mrs. A. W. Henderson,..	" "	Emb'd Chair, Flowers, Shell Lamp-stand, and Needle-work.
628..	John Enders & Co.,.....	" "	Corn-meal, Buckwheat, and Hominy.
629..	C. Marwedel,.....	" "	Two Paintings.
630..	Anna Buxton,.....	" "	Specimens of Worsted-work.
631..	J. Chase,.....	" "	Two Indian Canoes.
632..	J. L. Ottignon,.....	" "	A light Express Wagon.
633..	Mrs. — Plummer,.....	" "	Two Cases of Shirts, and Vests.
634..	Fitz Malinos,.....	" "	A Sack of Pearl Barley.
635..	Miss V. L. Stevenson,..	" "	A Crayon Drawing.
636..	Miss — Fernandez,..	" "	A Picture in Needle-work.
637..	Robert Lund,.....	" "	Samples of Graining.
638..	Reino & Co.,.....	<i>Santa Rosa</i> ,...	Four Sides of Leather.
639..	Widow Carmen,.....	<i>Mis'n Dolores</i> ,	A Mexican Serape.
640..	Mrs. A. Carleton,.....	<i>San Francisco</i> ,	A Fancy Pin Cushion.
641..	C. Curry,.....	" "	A Show Case of Fire-arms.
642..	W. P. Kenyon,.....	" "	Twenty-four Pocket Knives.
643..	Burke & Kellogg,.....	" "	Stereotypes, and Electrotypes.
644..	Lyon & Co.,.....	" "	Two Bbls. Ale, and half Bbl. Porter.
645..	Chas. Money Penny,.....	" "	A Mandarin's Cloak.
646..	Harrison Eastman,.....	" "	Wood Engraving, and Water Color Paintings.
647..	J. Hartmann,.....	" "	Vicuña Skins, Hats, Furs, &c.
648..	James Bell,.....	" "	A Bank Lock.
649..	Ebenezer Smith,.....	" "	A Silk Winder, and Box.
650..	Mrs. J. H. Kent,.....	" "	A Frame of Embroidery, &c.
651..	J. Robinett,.....	" "	Specimens of Plumbing, &c.
652..	Anna E. Sanford,.....	" "	A Painting, in water colors.
653..	Miss Lottie E. Smith,..	" "	A Painting, in water colors.
654..	Geo. Ciprico,.....	" "	Hair-dye, Restoratives, and Washes.
655..	Edward Nunan,.....	" "	Hair Blocks.
656..	Mrs. C. E. Collins,.....	" "	Millinery, and Fancy Goods.
657..	Mrs. — Bessy,.....	" "	An Engine, in Embroidery.
658..	John Lockhead,.....	" "	A Self-regulating Wind-mill.
659..	H. B. Janes,.....	" "	Model of the "Flying Cloud."
660..	John Lockhead,.....	" "	A Boiler, and three small Engines.
661..	Mrs. J. Miller,.....	" "	Two Quilts.
662..	Waas, Uznay & Warwick,	" "	A Show Case of Precious Metals.
663..	R. H. Vance,.....	" "	Daguerreotypes, Ambrotypes, and
664..	F. J. Hughes,.....	<i>Marysville</i> ,...	Model of a Bridge. [Photographs.
665..	Mrs. H. M. Hassey,.....	<i>San Francisco</i> ,	A Knit Quilt. [a Stag.
666..	W. K. Blanchard,.....	" "	A Monochromatic Picture, Death of

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
667..	Mrs. L. M. Plummer,.....	<i>San Francisco,</i>	A Monochromatic Picture, "Scene
668..	Mrs. Sarah Hunter,.....	" "	A Silk Reel, imp'd. [in Scotland."
669..	Devoe & Co.,.....	" "	A large Mining Pump, imported.
670..	Jas. Devoe,.....	" "	Working Model of an Engine.
671..	John Burnett,.....	<i>Santa Clara,</i>	A Bed Quilt.
672..	J. S. Church,.....	<i>San Francisco,</i>	A Section of Asphaltum Paving.
673..	G. Davis,.....	" "	A Banjo.
674..	Mrs. G. M. Smith,.....	" "	Wax Fruits, and Flowers.
675..	T. C. Boyd,.....	" "	Specimens of Engraving on Wood.
676..	W. P. Raymond,.....	" "	A Hair Bridle.
677..	Miss Emma Lindsly,....	" "	A Child's Garment, Crochet Work.
678..	Joseph, Brothers,.....	" "	A Case of Jewelry. [Setting Boilers.
679..	J. Mansfield,.....	" "	Model of Carpenter's Premium for
680..	M. E. Hughes,.....	" "	A Phelan's Billiard Table, imp'd.
681..	Yu Yuen,.....	" "	A Portrait in Oil, by Nahl.
682..	Mrs. — Patterson,.....	" "	A Portrait in Oil, by Nahl.
683..	Mrs. — Henderson,.....	" "	Portraits of two Children, by Nahl.
684..	Jas. A. Sharb,.....	" "	Specimens of Copper, from Carson's.
685..	W. L. Handy,.....	" "	A Fire and Steam Regulator.
686..	Frederick Griffing,.....	" "	A Graduating Butt.
687..	E. Delessert,.....	" "	Samples of Beet Sugar.
688..	J. W. Osborn,.....	<i>Oak Knoll,</i>	Agricultural Implements.
689..	W. H. Wyman,.....	<i>San Francisco,</i>	A Patent Reflector, for Tunnels and
690..	Mrs. — Cashman,.....	" "	A Tidy, and a Crochet Mat. [Shafts.
691..	Mrs. M. P. Benton,.....	" "	Painting in Oil, "Indian Vespers."
692..	P. Hurne,.....	" "	An Architectural Picture.
693..	R. C. Joy,.....	" "	Specimens of Embroidery.
694..	James B. Johnson,.....	" "	A Patent Wind-mill.
695..	E. Franklin,.....	" "	An Oil Painting, imported.
696..	C. Riley & Co.,.....	" "	A Set of Yacht Sails.
697..	W. H. Howland,.....	" "	Model of a Quartz Mill.
698..	Mrs. Ames and Daughter,	<i>Alameda,</i>	Two Worked Fire Screens.
699..	G. W. Green,.....	<i>San Francisco,</i>	A Portrait, by Jewett.
700..	Mrs. M. M. Knox,.....	" "	A Bed Quilt.
701..	J. N. Risdon,.....	" "	A Gyroscope.
702..	Mrs. W. H. Moore,.....	" "	Specimens of Silk Embroidery.
703..	H. A. Fox,.....	" "	A Meat Chopper.
704..	W. Zelner,.....	" "	A Drum-fish, California Hair Oil, and one Gold Frame.
705..	F. W. Jackson,.....	" "	A Case of Specimens, and Silk.
706..	Chas. Ostner,.....	" "	A Marble Fountain, and a Statuette of Gen. Sutter, in Marble.
707..	— Kendall,.....	" "	Model of Double-action Submarine
708..	H. S. Love,.....	" "	A Pastille Portrait. [Water-wheel.
709..	A. Massonville,.....	" "	An Architectural Picture.
710..	Christian Kitt,.....	" "	A Miniature Ship.
711..	A. A. Walker,.....	" "	A Miniature Ship.

No.	Names of Depositors.	Residence.	Articles Deposited.
712..	— Johnson,.....	San Francisco,	A large Picture, by Nahl.
713..	J. McGlashen & Co.,....	" "	Specimens of Book-bind'g and Rul'g.
714..	Delafont & Fouque,.....	" "	Mineral Oil, Camphene, &c.
715..	Mrs. C. W. Jones,.....	" "	A Tidy, and Specimens of Feathers.
716..	Mrs. M. Johanning,.....	" "	A Show Case of Millinery.
717..	E. N. Breed,.....	" "	Specimens of Coal, from Pacific Coal
718..	Mrs. D. Alexander,.....	" "	An Embroidered Dress. [Co.
719..	A. A. Mix,.....	" "	An Emb'd Hdkf., and a Moss Picture.
720..	Little & Co.,.....	" "	California Bay Water.
721..	Mrs. — Vanloan,.....	" "	An Infant's Shawl.
722..	Mrs. — Snyder,.....	" "	An Embroidered Shawl.
723..	Mrs. — Still,.....	" "	Two Vases of Shell Flowers.
724..	Miss — Dillon,.....	" "	A Table Cover.
725..	L. S. Planel,.....	" "	Musical Lithographs.
726..	F. M. Pixley,.....	" "	An Embroidered Hdkf., and Collar.
727..	Malmgren & Nordgren,..	" "	Set of Harness, Mountings made here.
728..	— Hench,.....	Grass Valley,	An Amalgamator and Grinder.
729..	H. A. Sontag,.....	San Francisco,	A Night Blooming Cereus.
730..	C. K. Davis,.....	" "	A Stone, taken from a Horse's Head.
731..	Barrett & Sherwood,....	" "	A Show Case of Jewelry and Speci-
732..	A. T. Pease,.....	" "	Four Sacks of Flour. [mens.
733..	E. T. King,.....	" "	A Miniature Brick Machine.
734..	J. D'Arcy,.....	" "	Case of Cakes; three Oil Paintings.
735..	E. K. Jenner,.....	" "	A Double-barrel'd Revolving Rifle.
736..	W. Daniels,.....	San José,	A Box of Honey.
737..	David Fitzgerald,.....	Georgetown,...	A Gold-specimen Breastpin.
738..	W. Rouland,.....	San Francisco,	Guano, from the Farallones.
739..	J. D. Casebolt,.....	" "	A Buggy.
740..	Mrs. R. P. Clement,....	" "	A Jar, containing a Horned Toad.
741..	Geo. Ladd,.....	" "	Enameled Painting on Gold, imp'd.
742..	Mrs. B. Aspenwall,.....	" "	A Picture, in Worsted-work.
743..	C. J. Johnson,.....	" "	An Ambrotype of Wellington.
744..	J. Horber,.....	" "	Machine for Cutting Watch and Clock
745..	Christian Anna Gunn,..	" "	Four Crayon Pictures. [Gearing.
746..	Thos. O. Larkin,.....	" "	Two Views of Monterey.
747..	Clark & Kenitzer,.....	" "	Four Architectural Drawings.
748..	Anthony Graham,.....	" "	Two pairs of Ox-shoes.
749..	G. E. Higgins,.....	" "	A Case of Gold Pens.
750..	Amic Gazan,.....	" "	A Box of Pills.
751..	Eakin & Co.,.....	" "	A Case of Silver Plate.
752..	H. Gushee,.....	" "	Butter, Fruit, Honey, Cheese, &c.
753..	Ira P. Rankin,.....	" "	Portraits of Webster and Shakspeare, burnt with a Hot Poker on Wood, by Hughes.
754..	J. F. Hall,.....	" "	Specimens of Stencil Cutting, &c.
755..	L. Delafond,.....	" "	Ale and Porter, from Lafayette Brew-
756..	Mrs. W. K. Doe,.....	" "	A Bed Quilt. [ery.

No.	Names of Depositors.	Residence.	Articles Deposited.
757.	Haskell & Co.,.....	San Francisco,	Teas, Coffees, Sugars, &c., imported.
758.	Mme. — Ritchie,.....	“ “	A Case of Corsets.
759.	C. W. & G. W. Armes,...	“ “	Brooms, Whisks, and Broom-corn.
760.	—————,.....	“ “	A Portrait of George Loder, in Oil.
761.	C. F. Robbins,.....	“ “	Specimens of Electrotypes.
762.	Milton Hall,.....	“ “	Four Hydraulic Presses.
763.	Richard Hayes,.....	“ “	Cotton Rope, California make.
764.	D. C. Porter,.....	“ “	Siedletz Powders, and Sarsaparilla.
765.	Mrs. G. W. Granniss,....	“ “	A Crayon Drawing.
766.	Mrs. Elizabeth Wright,..	“ “	A Picture, Emb'd Worsted-work.
767.	Rev. J. A. Shepherd....	“ “	An Achromatic Telescope, imported.
768.	— Yarnay,.....	“ “	A Clock, Marking Day, Month, and Hour, imported.
769.	Mrs. — Kroning,.....	“ “	A Frame of Artificial Flowers.
770.	G. A. Dunn & Co.,.....	“ “	Cases of Cleaned and Uncleaned Rice.
771.	W. Ayer,.....	“ “	Twenty-three Geological Specimens.
772.	Hobbs, Gilmore & Co.,..	“ “	Eight Boxes Grapes, and Specimens of Specie Boxes.
773.	Mrs. — Chapman,.....	“ “	Artificial Flowers, from Fish Scales.
774.	John Murdoch,.....	“ “	An Oil Painting.
775.	Jacob Brewer,.....	“ “	A Mahogany Table, new invention.
776.	— Batchelder,.....	“ “	Specimens of Porcelain Clay.
777.	Dunham & Co.,.....	“ “	Two Barrels of Santa Cruz Lime.
778.	Jacob Schreiber,.....	“ “	A Hair Mattress.
779.	J. Shannon,.....	“ “	Specimens of Worsted-work.
780.	W. F. Ritchie,.....	“ “	Three Specimens of Electrotyping.
781.	C. W. Lightner,.....	“ “	A Quartz Pulverizer.
782.	E. G. Squire,.....	“ “	A Guide for the Muscles in Writing.
783.	Geo. Hudson,.....	“ “	A Powder-horn used at Ticonderoga.
784.	W. E. Cormack,.....	“ “	Specimens of Linen, from a Mummy.
785.	W. M. Dow,.....	“ “	A Steel Plow.
786.	W. H. Gibbs,.....	“ “	A Model of a Steamboat.
787.	E. Rice,,.....	“ “	A Pattern of Matherson's Weather
788.	Geo. Little,.....	“ “	A Picture of Sutter's Mill. [Strips.
789.	W. Sedgwick,.....	“ “	A patent Sash Balance.
790.	J. J. Scotchler,.....	“ “	A Lamp Mat.
791.	Mrs. G. B. Cook,.....	Alameda,....	A Tea Tray, Work Boxes, &c.
792.	Mrs. — Griner,.....	San Francisco,	Two Fancy Glass Boxes.
793.	F. J. Gangroff,.....	“ “	A Toy Cooking Stove.
794.	Jacob Strahle & Bro.,...	“ “	A Billiard Table.
795.	James Cook,.....	“ “	A Frame of Sea Mosses.
796.	Wm. Thompson,.....	“ “	A Miniature Ship.
797.	D. Samuels,.....	“ “	Point d'Alençon Lace, imported.
798.	Jean Beeziade,.....	“ “	A Pair of Pantaloons.
799.	Miss P. C. Sprote,.....	“ “	An Indian Scarf, and Tobacco Pouch.
800.	Geo. Chase,.....	“ “	Samples of Vinegar.

No.	Names of Depositors.	Residence.	Articles Deposited.
801.	Swain & Co.,	" "	Chandeliers, and Fancy Bracelets, imported.
802.	R. B. Montgomery,	<i>Santa Clara,</i>	Miniature Suction Pumps.
803.	Chas. H. Robins,	<i>San Francisco,</i>	Pieces of the "Charter Oak."
804.	— Latimer,	" "	A Worked Lace Collar.
805.	Mrs. — Shober,	" "	Fancy Basket, and Specimens of Sea Mosses.
806.	Mrs. — Bunting,	" "	A Hooped Skirt.
807.	C. A. Lampher,	" "	A Large Sea Shell.
808.	Mrs. Frank Wheeler,	" "	Two Pieces Raised Embroidery.
809.	Mrs. J. N. Pratt,	" "	A Leather Picture Frame.
810.	Mrs. — Comfort,	" "	A Lamp Shade.
811.	Mrs. John Torrence,	" "	A Bed Quilt.
812.	A. Bellier,	" "	A Bible, Printed in 1605.
813.	John Roach,	" "	Vacuum and Pressure Gauges, a Glass Ballot-Box, an Astronomical Telescope, &c.
814.	Mrs. Catherine Ball,	" "	A Small Flannel Skirt.
815.	T. Grob,	" "	A Picture of a Model of a Bridge.
816.	Louis D. Lanzweert,	" "	Chemical Preparations.
816.	— Chauncey,	" "	Squashes, Beets and Cabbages.
818.	D. T. C. Bird,	" "	A Box, made of 9768 Pieces.
819.	A. P. Bessy,	" "	A Shell Monument.
820.	Augustus Elliott,	" "	A Drawing of Golden Harvester.
821.	Miss — Salmon,	" "	Tahitian Wreath, made of Arrowroot.
822.	J. H. Pierce,	" "	Muster Roll of Independent National Guard, (Pen-and-Ink Drawing.)
823.	Le Cacheux, Galley & Co.	" "	A French Carriage.
824.	Isaiah Hanscom,	<i>Mare Island,</i>	Model of a Steam Sloop-of-War.
825.	Agnew & Deffebach,	<i>San Francisco,</i>	Two Specimens of Printing.
826.	L. B. Lyman,	" "	Quartz (560 lbs.), and a Tarantula.
827.	Mrs. — Sanders,	" "	A Frame of Algæ.
828.	Miss S. A. Leland,	" "	A Fancy Gold Box, imported.
829.	Geo. Pfaff,	<i>San Lorenzo,</i>	A Cornet de Basseto, imported.
830.	L. C. Hammond,	<i>Butte County,</i>	Specimens of Coal from Butte Co.
831.	Mrs. — Van Loan,	<i>San Francisco,</i>	A Lamp Stand of Worsted Work.
832.	Mrs. Pauline Sanchez,	<i>Mis'n Dolores,</i>	A Fancy Table Cover, by a Lady over 70 years old.
833.	S. W. Shaw,	<i>San Francisco,</i>	Painting of Gen. Vallejo's Resid'ce.
834.	Luedke & Hammes,	" "	An Electrical Clock.
835.	Mrs. P. E. Rogers,	" "	Worked Lamp Mats, and Embroid'y.
836.	J. L. Atkins,	<i>Sacramento,</i>	A Davis's Patent Churn.
837.	Wm. Norris,	<i>San Francisco,</i>	A Painting of the Steamer Senator.
838.	Lyon & Co.	" "	A Bbl. of Ale, and $\frac{1}{2}$ Bbl. of Porter.
839.	Jas. Wallace,	<i>Mis'n Dolores,</i>	A Dozen Large Potatoes.
840.	Wm. W. Russell,	<i>San Francisco,</i>	Chair and Picture, of Emb'd Work.
841.	Sayburen & Hansen,	" "	A Block.

No.	Names of Depositors.	Residence.	Articles Deposited.
842.	F. O. Wheeler,.....	<i>Sutter Slough,</i>	A Large Water Melon.
843.	Miss S. A. Keesick,.....	<i>San Francisco,</i>	An Embroidered Cap, and Cushion.
844.	J. D. Colter,.....	" "	Six Specimens of Mouldings.
845.	Martin Humbert,.....	" "	An Indian Hat, Coat, and Bowl.
846.	W. Grafher,.....	" "	Sugar Work, "Columbus Discovering America."
847.	A. Perin,.....	<i>Benicia,.....</i>	Four Horseshoes.
848.	A. C. Wait,.....	<i>San Francisco,</i>	Specimen of Penmanship.
849.	L. Valencia,.....	<i>Mis'n Dolores,</i>	Embr'd Dress, and Worsted Work.
850.	G. W. De Gear,.....	<i>San Francisco,</i>	A Model of a Bridge, &c.
851.	Story, Bro. & Co.,.....	" "	Sample of Crude Turpentine.
852.	J. L. Van Bokkelen,....	" "	Model of a Quartz Crusher, impt'd.
853.	E. Lequin,.....	" "	Nine Cases of California Butterflies.
854.	Bryant & Co.,.....	" "	Agricultural Tools, &c., imported.
855.	F. C. M. Fenn,.....	" "	Specimens of Card Engraving.
856.	H. Durkee,.....	<i>Sacramento,...</i>	A Jar of California Potash.
857.	S. Hayes,.....	<i>San Francisco,</i>	Autograph Letter of Dan'l Webster.
858.	John Dewar,.....	" "	Ten Vols. Encyclopædia Britannica.
859.	D. S. Campbell,.....	" "	A Large Pumpkin.
860.	J. L. F. Warren,.....	" "	Minerals, Wax Fruit, Grain, &c.
861.	A. P. Robin,.....	<i>Calaveras Co.,</i>	Specimens of Quartz.
862.	S. S. Richardson,.....	<i>San Francisco,</i>	A Model of a "Water Watch."
863.	Mrs. — Campbell,.....	<i>Mis'n Dolores,</i>	A Four-Legged Chicken, and a Petrified Clam.
864.	H. G. Pratt,.....	<i>San Francisco,</i>	A Churn.
865.	Whitton, Towne & Co.,	" "	An Adams' Printing Press.
866.	A. Brooks,.....	" "	A Moulding and Planing Machine.
867.	H. R. Leonard,.....	" "	A Model of a Bridge.
868.	O. H. Taylor,.....	" "	A Panel Door.
869.	C. L. Taylor & Co.,.....	" "	Mahogany Doors and Blinds.
870.	Wm. Ford,.....	" "	Patent Sash.
871.	Daniel Ross,.....	" "	Sash Balances.
872.	S. A. Metcalf,.....	" "	Machine Mouldings.
873.	C. E. Williams,.....	" "	A Redwood Plank, 6½ feet wide.
874.	Jean Drouilhart,.....	" "	A Billiard Table.
875.	Wm. Andrews,.....	" "	Samples of Benicia Freestone.
876.	Geo. Nagle,.....	" "	Specimens of Pressed Brick.
877.	— Stumcke,.....	" "	A Harp Guitar.
878.	J. W. Griffith,.....	" "	Picture Frames.
879.	A. Folsom & Co.,.....	" "	A Buggy.
880.	Ebenezer Merrill,.....	" "	Specimens of Pressed Brick.
881.	Neefus & Eayrs,.....	" "	Engine Hose.
882.	Alex. Blanchard,.....	" "	Specimens of California Granite.
883.	John Wilson & Co.,.....	" "	Firemen's Hats.
884.	Hopps & Lougee,.....	" "	Specimens of Sign Painting.
885.	Frank Baker & Co.,.....	" "	Upholstery and Fixtures.
886.	J. C. Lawton,.....	" "	A Rope Rudder.

<i>No.</i>	<i>Names of Depositors.</i>	<i>Residence.</i>	<i>Articles Deposited.</i>
887..	Darling,.....	<i>San Francisco,</i>	A Toggle-Joint Quartz Crusher, and Amalgamator.
888..	Eck & Chicolot,.....	" "	Specimens of Cooperage.
889..	Robert Liddle,.....	" "	A Rifle.
890..	W. H. Keith & Co.,.....	" "	Surgical Instruments, Medicines, &c.
891..	Oppenheim & Co.,.....	" "	Fancy Soaps and Perfumery.
892..	Stanford, Bros.,.....	" "	Camphene and Oils.
893..	Thos. Tennent,.....	" "	Mathematical and other Instruments.
894..	A. Chevanne,.....	" "	A Quartz Tailings Pulverizer.
895..	Miss G. J. Lamb,.....	" "	Specimens of Hair Work.
896..	Tubbs & Co.,.....	" "	Cordage.
897..	A. G. Blethen,.....	" "	A Panel Door.
898..	A. Kohler,.....	" "	Musical Instruments.
899..	Main & Winchester.....	" "	Saddles, Bridles, and Harness.
900..	J. Douglass,.....	" "	A Miniature Ship.
901..	— — —,.....	" "	A Miniature Felucca.
902..	— Merrill,.....	" "	A Breech-Loading Rifle.
903..	Bofer & Co.,.....	" "	A Case of Cutlery.
904..	San Francisco Gas Co.,..	" "	Coal Gas from City Works.
905..	Wm. Wood,.....	" "	Hair Restorative.
906..	Miss C. Templeton,.....	" "	Specimens of Hair Work.
907..	J. P. Dyer,.....	" "	Three Boxes of Soap.
908..	Jacob Gilbert,.....	<i>Petaluma,</i>	Samples of Cheese.
909..	Giles & Goodwin,.....	<i>Clear Lake,</i>	Samples of Cheese.
910..	Bradshaw & Co.,.....	<i>San Francisco,</i>	Samples of Vinegar.
911..	Turner, Bros.,.....	" "	Ginger Wines, Syrups, Cordials, &c.
912..	J. W. Pearson,.....	" "	Confectionery.
913..	Tilton & McFarland,....	" "	A Salamander Safe, imported.
914..	Sims & Frazer,.....	" "	A Vault Door.
915..	G. & W. Snook,.....	" "	Tin Ware.
916..	Arizona Cop. Min'g Co.,..	" "	Specimens of Copper Ore.
917..	— — —,.....	" "	Specimens of Copper Ore.
918..	F. MacCrellich & Co.,...	" "	Ornamental Printing.
919..	R. C. Moore,.....	" "	Ornamental Printing.
920..	Wm. S. Jewett,.....	" "	Paintings in Oil.
921..	C. Nahl,.....	" "	Landscapes in Oil.
922..	— Leszynski,.....	" "	An Oil Painting.
923..	— Wendeworth,.....	" "	Drawings in India Ink.
924..	— Bacon,.....	" "	A Statue of La Fayette.
925..	P. W. Sterling,.....	" "	A Marble Mantel.
926..	Mrs. — Hamilton,.....	" "	A Mat of Worsted Work.
927.	Mrs. George Chase,.....	" "	Specimens of Worsted Work.
928..	Mme. A. LeBlanc,.....	" "	A Show Case of Millinery.
929..	Mrs. — Hempkey,.....	" "	A Bed Quilt.
930..	Mrs. C. A. Kohler,.....	" "	Specimens of Wax Work.
931..	Farmer, Chase, & Co.,...	" "	Specimens of Acids.
932..	D. Norcross,.....	" "	Regalia, Military Goods, &c.

- 933..Geo. H. Beach,.....*Marysville*,...Preserved Fruits.
934..Edward McQuillen,.....*Santa Cruz*,...Lime.
935..Chas. Bon,.....*San Francisco*, Specimens of Asphaltum Paving.
936..B. Hoffman,..... " " A Hemp Stalk.
937..D. C. Kone,..... " " Specimens of Tin Roofing.
938..Thos. Edwards,..... " " Samples of Flax Seed.
939..A. P. Smith,.....*Sacramento*,...Native Raisins.
940..John Southwell,.....*San Francisco*, An Old Bible.
941..San F. Sugar Refinery,.. " " Samples of Sugars and Syrups.

PREMIUMS.

The Premiums awarded by the Mechanics' Institute of the City of San Francisco, at its First Industrial Exhibition, are as follows:—

1st. A SILVER MEDAL. This is presented only for new inventions, or for important improvements upon old ones.

2d. A DIPLOMA. This is given for the best specimen of its class, produced or manufactured within the State of California.

3d. A BRONZE MEDAL. This is awarded for the article second in merit in its class, produced or manufactured within the State of California.

4th. A CERTIFICATE OF MERIT. This is presented for all such articles, whether of domestic or foreign growth or manufacture, as, from their peculiar excellence, seem to deserve especial notice.

The *Silver Medal* is from a design by Nahl, the dies being executed by Albert Kuner. Upon one side appear two male figures, with hands joined together—the one representing invention, the other labor. Both are offering the result of their toils upon an altar erected to industry, as is indicated by the bee-hive with which it is surmounted. Upon the base of the altar is inscribed the word “Labor,” and over all is written “Progress, Genius, Invention.” The reverse simply bears the words, “Awarded by the Mechanics' Institute, San Francisco,” with space in which to engrave the name of the person to whom, and the purpose for which it was awarded, and the proper date.

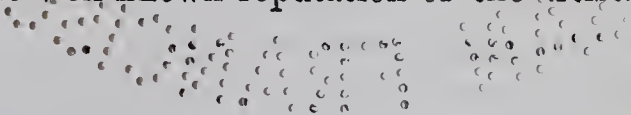
The *Diploma* is a large and beautifully executed piece of art, designed and lithographed by Britton & Rey, of San Francisco. The figures and subjects of which its multifarious details are composed, are exclusively of practical origin; the artists seeming to have carefully

avoided throughout any use of mythological illustration. In the central portion of the picture—for picture it is—is a space headed “Diploma awarded by the Mechanics’ Institute,” which is reserved for the name of the person to whom, and the article for which, it is awarded. Surmounting this, in the foreground at the top is an artistically combined trophy, composed of machinery, scientific instruments, and mechanical implements of endless variety, representing science and the mechanic arts. Around these, in the dim distance of the background, is a series of illustrations, faintly yet distinctly drawn, presenting the most striking characteristics of constructions at different ages of the world. Prominent at either side of the central portion are two male figures; the one, with thoughtful brow, and open scroll before him, representing the inventive—the other, with bared arm and heavy hammer, the executive power in mechanics. In the distance, at either hand of these, are railways, viaducts, machine-shops, locomotives, factories, steamboats, and the thousand other things which science and labor have contributed to mark the greatness of the present age. At the bottom, beneath the centre, is a view of the proposed building of the Mechanics’ Institute; above which is a shield bearing the device of an uplifted arm and hammer, supported on either hand by flags of all nations, furled, and wearing wreaths of laurel, typical of the prosperity of the mechanic arts in times of peace; and over all these are stretched the protecting wings of the Eagle of America. At the right and left, beneath, are female figures, with infants, representing maternity and the coming generation, which is to see fulfilled in our youthful State the promise of that agricultural wealth which is so beautifully delineated on the one hand, and that exhaustless revenue from the mining regions so graphically sketched upon the other. The various pieces are connected and blended together with numerous other devices, in a most artistic manner; and both design and execution reflect great credit upon the artists.

The *Bronze Medal* is struck from the same die as the silver one before described.

The *Certificate of Merit* is from a very beautiful design by Nahl, executed by a new and peculiar photographic process, of his own invention. This, too, is emblematic of the arts and sciences. The four principal parts are occupied by compositions representing the inventors and inventions which have probably had the greatest influence

upon the progress of the world. At the top appears Archimedes, the great machinist of the olden times, apparently considering where he shall find a fulcrum for that lever with which he proposed to move the world. On the left is Guttenberg, with one hand extended toward a printing-press, and in the other exhibiting a copy of the Holy Bible, the first production of his new art. On the right is shown the application of steam-power, both on land and water; and at the bottom is illustrated the connection of the Old and New Worlds by a telegraphic wire passing beneath the seat of old Oceanus himself. The intervals between these principal compositions are filled with an infinite number of drawings, illustrative of the various crafts, arts, and sciences. Among these may be noticed the following: On the left, above, motive powers by water and steam, the coin press, optical instruments, tools of the carpenter, and implements of agriculture and the forge; on the right, above, the progress of the mason's labors, emblems of chemistry and pharmacy, earth-works, foundries, and the fire-engine: on the left, below, illustrations of sculpture, painting, drawing, music, and poetry; and on the right, below, ancient and modern implements of war and of the chase, astronomical instruments, the globes, and emblems of the art of navigation. The design is elaborate, and the execution good; both being worthy of the well-known reputation of the artist.



REPORTS

OF THE JUDGES

UPON THE VARIOUS ARTICLES PRESENTED AT THE FIRST EXHIBITION OF THE MECHANICS' INSTITUTE OF THE CITY OF SAN FRANCISCO, COMMENCED ON THE SEVENTH, AND TERMINATED ON THE TWENTY-SIXTH DAY OF SEPTEMBER, 1857; WITH THEIR CLASSIFICATION, THE NAMES OF THE JUDGES APPOINTED, AND THE AWARDS REPORTED.

CLASS I.

AGRICULTURAL IMPLEMENTS.

Judges.

WILSON FLINT,

JOHN THURSBY,

WM. MIDDLETON,

N. C. LANE,

J. L. SANDFORD.

This is, beyond doubt, one of the departments of the Exhibition most important to the welfare of our people. Successful agriculture has always been, and must ever be, the surest and most enduring foundation for the wealth and prosperity of a State; and every improvement which the ingenuity of man can devise to lessen the farmer's toil, and increase its well-earned results, should be warmly welcomed as a contribution to the general good. It is very gratifying, therefore, to see in our comparatively youthful State, where it has generally been thought that the mining and mercantile interests were paramount, and that little heed of aught else was taken, that not only have the uses of the implements of husbandry been well remembered, but that much has been done to add to their efficiency and convenience.

The following articles of this class have been exhibited:

339. T. OGG SHAW, *San Francisco*. A variety of Agricultural Implements. Among them is a cast-steel Plow, which, for its strength

and lightness, its good model and admirable workmanship, and its peculiar serviceability in breaking up new ground, is awarded

A Diploma.

Also, a Harrow, one of the two best exhibited, which are considered of equal merit, and entitled to

A Diploma.

Also, a Fanning Mill, the only one presented, and the best assortment of imported tools, such as scythes, forks, hoes, &c.; together with a superior Hay Press, an excellent Cider Press, and a Cheese Press so good as to merit

A Certificate of Merit.

530. D. C. MATTESON, *Stockton*. Agricultural Tools. Among them a cast-steel Plow, similar to the preceding, and of almost equal merit. Awarded

A Bronze Medal.

Also, a Cultivator. An excellent implement for surface work, and considered the second best exhibited.

A Bronze Medal.

Also, a Reaper and Mower, the only one offered, and deemed better than any which have been imported.

A Silver Medal.

785. M. McDow, *San Francisco*. A Steel Plow. Very good, but best suited for old lands.

A Certificate of Merit.

349. J. D. ARTHUR, *San Francisco*. A subsoil Plow, of Allen's patent, imported. A very superior article.

Also, an Onion Weeder, which is considered of great utility, and deserving

A Certificate of Merit.

688. J. W. OSBORNE, *Oak Knoll, Napa County*. A Harrow, deemed to be as good as the one previously named, and like it entitled to

A Diploma.

Also, a Cultivator, the best exhibited for deep loosening of the ground.

A Diploma.

Also, a "Gopher Plow." This implement, it is understood, was first suggested by those eminently successful horticulturists, Messrs. Wm. Neely Thompson & Co., of Suscol, Solano County, but has been improved in many respects by Mr. Osborne. It is calculated to loosen the ground to a depth of twenty inches, and acts as a subsoiler without the necessity of previously plowing a surface furrow. It thus destroys the many paths which that mischievous pest, the gopher, makes beneath the reach of ordinary plowing; and, forcing him to employ himself anew, brings him more frequently to the surface to discharge the earth he has removed, and renders him an easier prey to his natu-

ral enemies among the birds and beasts, and to the farmer's traps and strychnine. The alarming increase of this subterranean destroyer during the past three comparatively dry seasons—their means of subsistence having multiplied with the extension of cultivation, and there having been no sufficiently flooding rains to drown them out—has become a matter of serious consideration to the farmer and fruit-grower, and loudly calls for some invention for their extermination. Much good is hoped from this, and it is said to have been used with great effect upon the lands of the exhibitor, during the past year.

Another consideration, the retention of moisture in the ground—so necessary to the cereals at the time of going into blossom and milk—is in favor of the deep tilling which this implement, in its peculiar way, performs. As the surface soil of California is still new, rich, and strong, it does not yet require the intermixture of the subsoil to aid it; and thus an instrument which, like this, mellows the land to a great depth without bringing the ground beneath to the surface, is most desirable. It is in form like a cultivator, the teeth being shaped like the coulter of a plow. They are of wrought iron, with feet of cast steel about two inches in width, about one and a half inches in thickness, and from four to five inches in length, terminating in a blunt point. A light span of horses will suffice for a plow with three teeth; but with a proper increase of the motive power, a sufficient number of teeth may be added to plow a furrow three or four feet in width.

Mr. Osborne also presents a "Mustang Harrow," to work over dry soil with light teams; a "Rake Harrow," which clears up weeds and brush at the same time that it levels and pulverizes the soil; a Weed Cutter, which is considered an improvement upon the Horse Hoe lately introduced here; and another Cultivator, intended to work under and near trees and shrubs without injuring them; all of which were manufactured on his own farm.

854. BRYANT & Co., *San Francisco*. A variety of Agricultural Implements. Imported.

251. E. J. LOOMIS, *San Francisco*. A Vegetable Weeder, by H. Mann. Imported.

207. WM. ELMENDORF, *San Francisco*. A Hand Seed-Planter, by Bruen. Imported.

11. T. H. & J. S. BACON, *San Francisco*. A Broadcast Grain-Sower, by Sage. Imported.

102. G. LEONARD, *San Francisco*. A Model Potato-Digger.

103. H. McNALLY, *San Francisco*. A Hand-power Grain-Mill, a Stalk and Hay Cutter, a Horse-Radish Grater, a Water Ram, a Washing Machine, two Churns, and a Cheese Press. All imported except the last, for which is awarded *A Diploma*.

328. JOSEPH PERKINS, *San Francisco*. A Water Elevator, for cattle to supply themselves; Ayres' Patent. Imported.

836. J. L. ATKINS, *Sacramento*. A Churn of Davis' patent. Of simple construction, and of practical utility. *A Diploma*.

864. H. G. PRATT, *San Francisco*. A Churn. Also a very good article. *A Bronze Medal*.

190. McKINLAY, GARRIOCH & Co., *San Francisco*. A Drummond Churn. C. D. Young & Co., Edinburgh, makers.

820. AUGUSTUS ELLIOTT, *San Francisco*. A drawing and a portion of a model of the Golden Reaper and Mower, claimed to be his own invention, and to possess great advantages over all others now in use; but in the absence of a complete machine, it is impossible to pronounce upon its merits. As such an implement has become of great importance in husbandry, it is hoped that Mr. Elliott's invention will have been practically tested before the next Exhibition.

CLASS II.

STEAM ENGINES AND BOILERS, STEAM GAUGES,
FIRE ENGINES, &c.

Judges:

JOHN M. ECKFELDT,
JAMES E. NUTTMAN, G. W. COFFEE.

Although the display of articles in this class was somewhat limited, it was, still, larger than was to have been expected here, and was well calculated to reflect credit upon those who contributed specimens of their handiwork in this branch of the mechanic arts.

543. VULCAN IRON CO., *San Francisco*. A Horizontal High Pressure Steam Engine. Considered the best presented. *A Diploma*.

660. JOHN LOCKHEAD, *San Francisco*. Three small Steam Engines, and a Boiler. One of these, for its utility, beauty of workmanship, and the little space it occupies, is awarded *A Diploma*.

576. GEO. S. BACON, *San Francisco*. A Model of a Steam Engine. This is a working miniature Steeple Engine, of almost the smallest conceivable size, yet perfect in all its parts and proportions. It is made of steel and silver, and finished in the most exquisite manner. Though its practical utility is not made evident, its beauty of workmanship and the nice ingenuity displayed in its construction, induce us to award it *A Certificate of Merit*.

555. E. B. GODDARD & CO., *San Francisco*. An Engine and Shafting.

599. COFFEY & RISDON, *San Francisco*. A Steam Boiler and Fixtures, considered excellent, and deserving *A Diploma*.

590. W. W. DUNN, *San Francisco*. Two Models of Steam Engines, a Cylinder, a Valve, and a Hydrostatic Machine.

670. JAS. DEVOE, *San Francisco*. A working model of a Marine Engine, made in Philadelphia. A beautiful piece of mechanism. *A Certificate of Merit*.

117. C. F. MARWEDEL, *San Francisco*. Five Steam Gauges. One of these is the best we have seen, and deserving of more than ordinary praise. It was carefully tested with the United States Steam Gauge, and also with the ordinary mercury Syphon Gauge, and it is believed showed the greatest accuracy yet attained with this instrument. *A Diploma*.

685. W. L. HANDY, *San Francisco*. A Fire and Steam Regulator.

434. W. E. WORTH, *San Francisco*. A Fire Engine. This was made in this city, and was deposited by Empire Engine Company, No. 1, for whom it was built, and who are justly proud of it as a specimen of domestic manufacture. It has little ornament, but is one of the most efficient machines belonging to the San Francisco Fire Department. *A Diploma*.

510. S. D. LIBBEY, *San Francisco*. A Fire Engine, imported. A beautiful piece of workmanship, covered with silver, and elaborately ornamented, belonging to the Brannan Fire Association of this city.

500. JOHN SHORT, *San Francisco*. A working Model of the Yuba Fire Engine, made in Marysville, Yuba County.

701. J. N. RISDON, *San Francisco*. A Gyroscope.

A sectional drawing of Wethered's Super-Heating Steam Furnace was also presented, which seems to be capable of producing good results, and has been most highly recommended.

CLASS III.

MINING TOOLS, AND QUARTZ MACHINERY.

Judges:

JAMES DELAVAN,	
SAMUEL PURDY,	WM. B. PEAKE,
A. G. KIMBALL,	GEO. K. GLUYAS,
CHARLES UZNAY,	T. F. MOSS.

It was hoped that the exhibition of implements and machinery used for mining purposes—that branch of labor being the most important in the State—would have been very large. Though this was not the fact, the number of articles presented was respectable; and, considering that this was the first Exhibition of the Institute, was probably as great as should have been expected.

64. W. PEASLEE, *Murphy's, Calaveras Co.* Two Miner's Picks. Very handsome tools, and the best exhibited. *A Diploma.*

187. JAMES HALKET, *Yuba Co.* Four Miner's Picks. Very excellent, and awarded *A Bronze Medal.*

127. L. TEESE & SON, *San Francisco*. Sluice Forks. The only ones exhibited, but well worthy *A Diploma.*

697. W. H. HOWLAND, *San Francisco*. A Quartz Mill. A model only of this excellent invention was presented at the Exhibition, but the operation of a complete machine with eight stamps was witnessed at the Pacific Foundry in this city. It is believed to be a great improvement on the Crushing Mills at present generally in use, not only because of its superior effectiveness, but of its comparative cheapness, and the economy which attends its working. Much credit is due to Mr. Howland for having constructed a piece of machinery so useful, and yet at so low a cost, thus removing that great obstacle—the large expenditure necessary for a mill—which has hitherto prevented the working of many claims in the possession of those of limited means.

A Diploma.

881. — DARLING, *San Francisco*. A Toggle-Joint Quartz Crusher, and an Amalgamator. This is constructed upon a principle differing much from that of any mill heretofore invented, and it is regretted that it was not sufficiently perfected to justify the expression of some opinion relative to its merits. The Amalgamator is adjudged to be the third in point of excellence presented, and to it is awarded

A Certificate of Merit.

465. SMITH CRAM, *San Francisco*. Model of a Quartz Crusher.

852. J. L. VAN BOKKELEN, *San Francisco*. Model of a Quartz Crusher. Imported.

894. A. CHAVANNE, *San Francisco*. A Quartz-Tailings Pulverizer. The most meritorious machine of its kind, for the rapidity and effectiveness of its work, which has come under the observation of the judges.

A Silver Medal.

781. C. W. LIGHTNER, *San Francisco*. A Quartz-Tailings Pulverizer. This works something like the Chile Mill, and is a very good machine, though much slower in its operations than the one previously noticed.

A Bronze Medal.

162. GUIDO KUSTEL, *San Francisco*. An Amalgamator. This is an improvement on the article commonly known as the Hungarian Tub, and is considered the best invention at present known in this department of Quartz Mining.

A Diploma.

68. — STETSON, *San Francisco*. An Amalgamator. This

machine has been practically tested during two years past, and commends itself as being effective, simple, and cheap. *A Bronze Medal.*

279. J. S. BRADY, *Mokelumne River*. A Model Patent Amalgamator.

728. — HENCH, *Grass Valley*. An Amalgamator and Grinder.

689. W. H. WYMAN, *San Francisco*. A Patent Reflector for Tunnels and Shafts. This invention is intended to increase the facilities for light and ventilation in mining operations. Though unable to test it practically, as its exhibitor desired, the judges feel justified in commending the Reflector to those for whose uses it is designed, as an instrument of very great utility. *A Silver Medal.*

854. BRYANT & Co., *San Francisco*. Hydraulic Pipe. Two descriptions were presented; one of brass, and the other of rubber with brass mountings. It is pleasing to see articles of such indispensable use in hill mining, so well produced by the artizans of our own State; and it is hoped that the enterprising manufacturers will receive such patronage as shall well reward them for their skill and labors.

A Diploma.

669. DEVOE & Co., *San Francisco*. Hydraulic Pumps. Imported.

CLASS IV.

PRINTING PRESSES AND MATERIALS, AND COPYING
AND SEAL PRESSES.

Judges:

JOHN O'MEARA,
FRANCIS BLAKE, GEORGE AMERIGE,
CHAS. A. CALHOUN, FRANK EASTMAN.

In this department but little was exhibited, nor was it to have been anticipated that in the comparative infancy of the manufacturing interests in this State, much would have been presented belonging to this particular class.

865. WHITTON, TOWNE & Co., *San Francisco*. A Printing Press, by Adams, of Boston, Mass. This press is doubtless the best yet invented for book printing, as its general use throughout the United States amply testifies. In large establishments, where steam power is applicable, the smaller sizes of this invention are also well adapted for job-work, as they are capable of executing a large amount of work, producing clear and even impressions, and injuring the type less than any other press now used.

404. C. F. ROBBINS, *San Francisco*. A Job Printing Engine, by Ruggles, of Boston, Mass. This, for general jobbing purposes, particularly where steam power is not used, is the best machine now known. It is extensively employed in the United States, and has invariably given great satisfaction.

Also, a Diamond Rotary Card Press, by the same maker. This is certainly a most valuable invention for card printing. Its simplicity of construction and rapidity of execution render it the most useful agent in this branch of the printing department ever yet presented. It can be worked either by hand or steam power, and with the last will readily throw off two thousand impressions per hour.

242. S. P. TAYLOR, *San Francisco*. A bale of Printing Paper. This is from the California Mill of Messrs. Taylor & Post, and is a most excellent article, as many of the newspapers of this city which now use it can testify. The gentlemen engaged in this enterprise deserve much praise and great patronage. It is a most important branch of manufacture, and it is hoped and believed that our State will soon be enabled to supply all her own wants in this department.

A Diploma.

322. H. F. WHITEMORE, *San Francisco*. A Type-Setting and Distributing Machine, by Alden of New York.

403. F. G. JOHNSON, *Brooklyn, N. Y.* A Portable Letter-Copying Press. Manufactured by the depositor, and very convenient for the business traveller, its weight not exceeding three pounds.

A Certificate of Merit.

CLASS V.

CARPENTERS' AND STAIR-BUILDERS' WORK, WOOD TURNING,
MOULDINGS, DOORS, SASHES AND BLINDS, MOULDING AND
PLANING MACHINES, MODELS OF BRIDGES, &c.

Judges:

N. C. LANE,
J. J. DENNY, JOHN TORRENCE.

Many articles in this class were presented—so many, that it has been impossible for the judges to devote much attention to them all. The display was in the highest degree creditable to the exhibitors, and argued well for our native productions and the handicraft of our workmen.

866. A. BROOKS, *San Francisco*. A Moulding and Planing Machine. This is worthy of the highest commendation. It performs its work beautifully and with great dispatch, at one half the usual cost; and, believing it to be an invention of more than ordinary merit, we award it
A Silver Medal.

867. H. R. LEONARD, *San Francisco*. A Model of a Bridge. The principal feature in this invention is the use of an inverted arch. For general uses it is considered the best model of a wooden bridge presented, and is awarded
A Diploma.

664. F. J. HUGHES, *Marysville*. A Model of a Bridge. Very good, and commending itself particularly where lumber is scarce and costly. It is regarded as deserving
A Bronze Medal.

850. G. W. DE GEAR, *San Francisco*. A Model of a Bridge. handsome piece of workmanship, and likely to be very serviceable where but a short span is required.

Mr. De Gear also exhibits a Frame Step-Ladder. A neat and well made article, to which is given
A Diploma.

868. O. H. TAYLOR, *San Francisco*. A Panel Door. A superior piece of workmanship, and awarded
A Diploma.

897. A. G. BLETHEN, *San Francisco*. A Panel Door. Very little inferior to the one preceding. *A Bronze Medal.*

869. C. L. TAYLOR & Co., *San Francisco*. Mahogany Doors and Blinds. Fine specimens of work, and deserving *A Diploma.*

870. WILLIAM FORD, *San Francisco*. Patent Sash. An excellent article, apparently a perfect assurance against wind, dust, and rain; and for that reason, especially to be recommended in this city. *A Diploma.*

100. BLOOMER & RAYE, *San Francisco*. Window Sash and Figured Glass. Imported.

871. DANIEL ROSS, *San Francisco*. Sash Balances. The best exhibited. *A Diploma.*

789. W. SEDGWICK, *San Francisco*. A Patent Sash Balance.

526. SMITH & FREEMAN, *San Francisco*. A Newel Post. Of great beauty of design, and of skilful workmanship. *A Diploma.*

872. S. A. METCALF, *San Francisco*. Machine Mouldings. A great variety, and exceedingly well adapted for the purposes intended. *A Diploma.*

772. HOBBS, GILMORE & Co., *San Francisco*. Fruit and Specie Boxes. Of sugar pine, white cedar, spruce, and redwood, and made as well as possible. *A Diploma.*

787. E. RICE, *San Francisco*. Pattern of Matherson's Weather Strips. Imported. An old patent, but a most useful invention.

564. T. R. JOHNSON, *San Francisco*. Venetian Blinds.

213. J. W. BACON, *San Francisco*. An Improved Bench and Bench Vice. *A Diploma.*

46. L. S. HILDRETH, *San Francisco*. Model of a Self-Acting Gate, by J. A. Ayres, Hartford, Conn.

101. — MAIGE, *San Francisco*. Specimens of Imitation Asphaltum.

17. DORE & HAVENS, *San Francisco*. Sugar Pine Planks. Of excellent quality, and considered worthy *A Diploma*.

873. E. C. WILLIAMS, *San Francisco*. A Redwood Plank. The unusual width of this—six feet and a half—speaks well for the size of the trees in the neighborhood of the Mendocino Mills; though, after all, they are but shrubs compared with our “Big Trees” in Calaveras and Mariposa. *A Diploma*.

135. J. T. PENNELL, *San Francisco*. Large Planks, of California and Oregon production. *A Diploma*.

CLASS VI.

CABINET WORK AND BILLIARD TABLES.

Judges :

ROBERT C. PAGE,	
C. E. BUCKINGHAM,	H. W. CHITTENDEN,
N. J. STREET,	E. W. CHURCH,
J. E. MUNSON,	J. D. PIERSON,
A. S. LUM,	JAMES LICK.

In this department the display of articles was very beautiful, and embraced a very great variety. Though the number of contributors was not extraordinarily large, the numerous specimens of work presented by some of them—all of different styles and materials, and each having its own particular excellence—have somewhat puzzled the judges in their award of premiums. Scarcely any two exhibited articles of the same kind; and instead, therefore, of adjudging awards to classes, it has been thought proper to designate them to particular species of the same description of manufactures. Even this has been found somewhat difficult, where all possessed so much merit.

69. J. G. CLARK, *San Francisco*. Specimens of fine Furniture. These comprised a great variety of articles in rosewood, of exquisite workmanship and most elegant design. Among others, a parlor set,

considered as good a sample of cabinet work as was ever produced in any country, and entitled to *A Diploma.*

476. GEO. O. WHITNEY, *San Francisco.* Specimens of fine Furniture. Here also was a large exhibition of most beautiful work, principally in black walnut; and, among the rest, a parlor set of that material, in no wise inferior in beauty of workmanship to that before named. To it also is adjudged *A Diploma.*

460. KREIG, GENEVE & NACHTINGALE, *San Francisco.* Fine Furniture. A Secretary of black walnut, and an Arm Chair of rosewood, were fine specimens of work, and the best articles of the kind exhibited. *A Diploma.*

289. JOHN WOOLAVER, *San Francisco.* A Physician's Desk. A beautiful article, arranged with all the conveniences for its destined purposes, and exhibiting great skill in its manufacture. *A Diploma.*

363. GOTTLIEB STRAHLE, *San Francisco.* A Centre Table, with carved pillar and feet, and a daguerreotype in the centre. Considered the handsomest single article of the kind presented. *A Diploma.*

486. L. BREIDENSTEIN, *San Francisco.* A Lady's Table.

775. JACOB BREWER, *San Francisco.* A Mahogany Table.

448. J. T. PIDWELL, *San Francisco.* A Secretary Bedstead. Very convenient for bachelors, and ingeniously constructed. Imported.

224. J. LANDSBERGER & Co., *San Francisco.* Three Mirrors. Fine Articles. Imported.

397. MARY C. TORREY, *San Francisco.* A Leather-work What-Not, a Table Top of Papier Mache, &c. Beautiful and ingenious.

316. E. D. WATERS, *San Francisco.* A Chair, made of manzanita and redwood in its native state. Exhibiting much ingenuity in the selection and arrangement of the pieces of which it is composed.

75. JAMES TANEY, *San Francisco.* A Lady's Work Box. A very beautiful piece of ornamental work, exhibiting thirty different

species of California woods, and made of thirteen hundred and seventy-four pieces. Considered the handsomest offered, and awarded

A Diploma.

818. D. T. C. BIRD, *San Francisco*. A Work Box. Containing nine thousand seven hundred and sixty-eight pieces, very ingeniously and tastefully arranged.

A Bronze Medal.

451. T. P. TYLER, *San Francisco*. A Fancy Work Box. A fine piece of workmanship, and awarded

A Certificate of Merit.

393. HENRY COFFIN, *San Francisco*. An Inlaid Box. Very handsome.

844. JAMES D. COLTER, *San Francisco*. Veneered Mouldings. Imitations of various woods, very skilfully done.

389. M. BACH, *San Francisco*. A Billiard Table. This table combines all the later improvements in this article, with some originality of design, and great beauty of finish. The cushions are those known as "Phelan's Patent Combination Cushions," composed of India-rubber, leather, and cork. The bed is of slate, imported, but worked out here in a superior manner. The pockets and pocket-irons are of a new style, and very good. The sights are raised. The cabinet work is excellent, exhibiting several different kinds of wood, elegantly combined and finished. It is awarded

A Diploma.

874. JEAN DROUILHART, *San Francisco*. A Billiard Table. In this the cushions are of rubber, differing in shape from those of the one preceding, and apparently giving greater facility for striking a ball when near them. The bed is of black walnut, jointed, showing a most elaborate and beautiful piece of work, but not possessing the merit of slate or marble beds. The pockets and pocket-irons are of the old style. The cabinet work is of rosewood, of very superior style and finish; and the whole, with the exception of the cushions, was manufactured here. This table is two inches too long for its width.

A Bronze Medal.

794. JACOB STRAHLE & BRO., *San Francisco*. A Billiard Table. The cushions of this table are of rubber, manufactured here, and are of a shape similar to "Phelan's Cushions," with the exception that they round more near the pockets, thus leaving less angle surface. The bed is of slate, imported, but prepared here. The pockets are of the

old style, with flat pocket irons. The cabinet work is very good, and is handsomely inlaid with various woods. This table is of an old French pattern, and, like the one last mentioned, is two inches too long for its width. *A Certificate of Merit.*

680. M. E. HUGHES, *San Francisco*. A Billiard Table. One of Phelan's celebrated tables, manufactured in New York. The cushions in this table are those of his invention, superior doubtless to any ever used. The bed is of slate—the pockets straight, of the latest and most approved pattern, and the pocket-irons flat. The cabinet work is very fine, inlaid with various woods, in ornamental patterns. The style and finish of the whole is excellent, and were it of domestic production, and within the range of awards, it would be classed as second only to Bach's table, first named.

The judges remark, that in their conclusions relative to the several tables, they have been governed by the best standard authorities on the game of billiards. Each possesses peculiar merits, and in point of finish all are superior to the Prize table at the late New York Industrial Exhibition.

874. JEAN DROUILHART, *San Francisco*. Billiard Cues. The best exhibited. *A Diploma.*

794. JACOB STRAHLE & BRO., *San Francisco*. A Cue Rack. The best exhibited. *A Diploma.*

CLASS VII.

STONE AND BRICK WORK, AND MATERIALS.

Judges:

GEORGE COFRAN,
HENRY WEBB, EBENEZER BASSETT,
JAS. BALLENTINE, W. P. C. STEBBINS.

882. ALEX. BLANCHARD, *San Francisco*. Specimens of Granite. These were from the quarries near Folsom, in Sacramento County. The stone is of the best quality, and the finest exhibited. *A Diploma.*

592. A. R. BALDWIN, *San Francisco*. Specimens of Granite. From the Works of the California Granite Company. A good material, and dressed in a workmanlike manner. *A Bronze Medal.*

278. P. J. DEVINE & Co., *Sacramento*. Specimens of California Soap Stone. An excellent article; equal, if not superior, to any imported. *A Diploma.*

875. WM. ANDREWS, *San Francisco*. Specimens of Free Stone. From the quarries near Benicia, and of superior quality. *A Diploma.*

876. GEORGE D. NAGLE, *San Francisco*. Pressed Bricks. For size, manufacture, and materials, superior to any exhibited. *A Diploma.*

880. EBENEZER MERRILL, *San Francisco*. Pressed Bricks. Of excellent quality, and deemed worthy *A Bronze Medal.*

495. TICE & BRO., *San Francisco*. Pressed Bricks, and Model of a Rustic Front. The bricks very good, and the model unobjectionable.

401. SAMUEL BRANNAN, *San Francisco*. Tubular Bricks. These were made here, with a machine of French invention, imported from Paris. Those intended for partitions are considered excellent for the purpose, but it is not thought that the wall bricks will answer for heavy structures. Mr. Brannan also exhibited some clay pipe, made by a similar machine, which is deemed worthy of notice, as its cheapness may lead to its use in conducting water for purposes of irrigation.

934. EDWARD MCQUILLEN, *Santa Cruz*. Lime. A barrel, of excellent quality. *A Diploma.*

777. DUNHAM & Co., *San Francisco*. Two barrels of Lime. From Santa Cruz, and of good quality.

733. E. T. KING, *San Francisco*. A Miniature Brick Machine.

156. W. C. HARBISON, *San Francisco*. Specimen of Brick Work. A fine exhibition of mechanical skill, and worthy *A Diploma.*

679. J. MANSFIELD, *San Francisco*. Model of Carpenter's Premium for Setting Boilers. Imported.

CLASS VIII

PIANO FORTES AND OTHER MUSICAL INSTRUMENTS.

Judges:

DAVID S. TURNER,

L. T. PLANEL,

R. HEROLD,

G. A. SCOTT,

J. K. KENDALL,

JOHN H. TITCOMB,

OTTO SUTRO,

ASA WALCOTT.

The number of articles in this class, of domestic manufacture, is comparatively small; very few artizans in this branch of industry having, until recently, attempted their production here. But, as will be seen from the report which follows, the few which were presented will compare most favorably with the best importations.

122. JACOB ZECH, *San Francisco*. Two Piano Fortes. The first of these is by far the best of all the instruments of this kind exhibited. It is a square piano, of seven and a quarter octaves, in a rosewood case; and in tone, touch, beauty of finish, and apparent durability, is eminently superior. The wood for the case, and the hardware used, were imported. The maple and cedar employed in the interior are of native growth, very hard, and well adapted to the purpose; and all the work was done in San Francisco. The other piano is in all respects similar to the first, but is slightly inferior to it in tone.

A Diploma.

98. JOHN BENDER, *San Francisco*. A Piano Forte. This, too, is a square instrument, of fair quality, which, though inferior to those above named, reflects much credit on its manufacturer.

A Bronze Medal.

378. W. G. BADGER, *San Francisco*. Two Piano Fortes. Fine instruments. Imported.

625. WOODWORTH & Co., *San Francisco*. Three Piano Fortes and two Melodeons. All good. Imported.

453. ATWILL & Co., *San Francisco*. A Piano, Melodeon, Harp Guitar, Double Bass Viol, Drums, and other instruments. Imported.

144. JOSEPH URBAN, *San Francisco*. A Guitar and two Violins. The guitar was the only one exhibited, and is a very superior instrument, both in tone and finish. It has the peculiarity of three additional strings, which may be tuned as a bass accompaniment to any key, at the will of the performer. One of the violins is an alto, and both are excellent. They give evidence of decided talent in the maker, and will not suffer by comparison, either of style or tone, with the best imported. *A Diploma.*

877. CHS. STUMCKE, *San Francisco*. A Harp Guitar. A handsome instrument, and awarded *A Bronze Medal.*

673. GEORGE DAVIS, *San Francisco*. A Banjo. Of usual tone and quality.

445. E. G. JEFFERIS, *San Francisco*. A Silver Flute. One of Boehm's beautiful instruments. Imported.

829. GEORGE PFAFF, *San Lorenzo*. A Cornet de Bassetto. Imported.

898. A. KOHLER, *San Francisco*. Musical Instruments. A large variety. Imported.

725. L. T. PLANEL, *San Francisco*. Lithographic Music for the Piano. Very creditably executed, and equal to any imported. The exhibitor was the first engraver and printer of sheet music in California, and deserves *A Diploma.*

CLASS IX.

WAGONS AND CARRIAGES, AND WHEELWRIGHTS' AND
BLACKSMITHS' WORK.

Judges.

H. B. GLEASON,

D. K. DARBYSHIRE,

SIMON FRASER,

JAMES GRAVES,

R. S. EELLS.

With a single exception, all the articles exhibited in this depar

ment are of domestic manufacture; and, creditable as are all these specimens of California workmanship, there appears no reason why we should hereafter depend upon importations from abroad for any thing included in this branch of the mechanic arts.

879. A. FOLSOM & Co., *San Francisco*. A Buggy. A fine vehicle, exhibiting good taste, good workmanship, and good materials. It would be considered an article of the first class anywhere, and is awarded
A Diploma.

739. J. D. CASEBOLT, *San Francisco*. A Buggy. A strong, well made vehicle, with top, and considered very good.
A Bronze Medal.

632. J. L. OTTIGNON, *San Francisco*. An Express Wagon. An excellent wagon; strong, light, and handsomely finished, and as good a vehicle of the kind as can be built in the United States.
A Diploma.

585. WOODSIDE & BROWN, *San Francisco*. A Laundry Wagon. This has been running over the streets of San Francisco during five months past, making an average of thirty miles for every day of the week, without repairs; the only work done upon it being a single coat of varnish. For strength, durability, and good workmanship, it is deserving of high encomium.
A Bronze Medal.

823. LE CACHEUX, GALLEY & Co., *San Francisco*. A Carriage. Imported from France.

374. NELSON & DOBLE, *San Francisco*. Stone Cutters' Tools. These, coming directly from the hammer, without any effort at ornamental finish, exhibit their true superiority, and distinctly show their makers to be masters of their trade. They are awarded
A Diploma.

Messrs. Nelson & Doble also exhibit some very excellent horse-shoes.

588. A. PIERCE, *Benicia*. Horse Shoes. Very good.

847. A. PERIN, *Benicia*. Horse Shoes. Also good.

748. ANTHONY GRAHAM, *San Francisco*. Ox Shoes. Very well made.

CLASS X.

LEATHER, MOROCCO, AND BELTING.

Judges :

CHARLES MAIN,

B. GARDINER,

S. P. BOWMAN,

R. K. MALTBY,

THOMAS ELLIOTT.

Although but few contributors presented themselves in this department, the number of specimens of leather and skins of various kinds was quite large.

84. KIRBY, JONES & Co., *San Francisco*. Twenty-four sides of Sole Leather. Of their own manufacture, and of excellent quality.
A Diploma.

193. J. J. FULTON & Co., *San Francisco*. Harness and Shoe Leather, and Morocco, Kid, and Sheep Skins. As good articles as appear in the market.
A Diploma.

302. WM. FIELD, *San Francisco*. Sheep, Buck, Kid, and Chamois Skins. Worthy of high commendation.
A Diploma.

638. REINO & Co., *San Jose*. Four sides of Sole Leather.

CLASS XI.

PICTURE FRAMES, CARVING AND GILDING, STUCCO WORK, ETC.

Judges :

S. W. SHAW,

W. S. JEWETT,

C. NAHL,

L. W. SLOAT,

H. L. STRONG.

366. JONES, WOOL & SUTHERLAND, *San Francisco*. Two Picture Frames. One, a very large and elaborately wrought specimen of

workmanship, gilt, designed with much taste, and beautifully embellished. The other, a smaller, but very handsome gilt frame, of superior style and finish. They also exhibit an elegant and richly adorned oval gilt frame, made at the East, but gilded and finished by themselves.

A Diploma.

418, 534. HENRY MOISE, *San Francisco*. Three Picture Frames. Two of these are gilded, and the other is an imitation of oak, with gilt inner frame. All exceedingly well done.

A Bronze Medal.

878. J. W. GRIFFITH, *San Francisco*. A Picture Frame. A very neat and chaste piece of work, considered equally good as the last named, and awarded also.

A Bronze Medal.

446. J. D. COLTER, *San Francisco*. Two Picture Frames. Black walnut and gilt, moulded. The only specimens of the kind presented, and possessing much merit.

A Certificate of Merit.

809. MRS. J. N. PRATT, *San Francisco*. A Picture Frame of Leather Work. An imitation of carved wood, and the best specimen of this kind of work exhibited.

A Diploma.

93. MISS E. M. V. MCPARLAN, *San Francisco*. A Picture Frame of Leather Work. Similar to the preceding, and awarded

A Bronze Medal.

23. MISS ELIZA F. COFFIN, *San Francisco*. A Picture Frame of Leather Work. Deemed worthy

A Certificate of Merit.

570. MISS E. SHORT, *San Francisco*. A Picture Frame of Leather Work.

330. MRS. — HILTON, *San Francisco*. A Picture Frame of Leather Work.

155. MISS M. A. MANNIE, *Brooklyn*. A Picture Frame of Leather Work.

548. MRS. P. BLACK, *San Francisco*. Two Picture Frames of Shell Work. Very handsome.

706. CHARLES OSTNER, *San Francisco*. Carved Work. A very massive and elaborately carved frame, in solid mahogany, exhibiting various emblems of the Order of Odd Fellows, grouped in a very graceful and artistic manner. It is deemed well worthy

A Diploma.

CLASS XII.

BOOTS AND SHOES, TRUNKS, SADDLERY, HARNESS AND HOSE.

Judges :

JULIUS K. ROSE,

ORRICK JOHNSON,

WM. M. WHITE,

G. M. SMITH,

P. HUNT,

B. F. FISH,

JOHN LOGUE.

A great variety of articles under this head was exhibited, and the display of beautiful and substantial work in this department of labor, gives ample evidence that we need no longer depend on artizans abroad for those things needful in walking, riding, or traveling.

159. SWAIN & Co., *San Francisco*. Gentlemen's Boots and Shoes. A variety of cork-soled promenade boots, jockey boots, patent leather dress boots, pump boots, buttoned calf boots, and pump gaiters ; all of excellent workmanship and material, and considered the best exhibited. *A Diploma.*

94. A. VERDIN, *San Francisco*. Gentlemen's Boots. The cork-soled and riding boots here exhibited are of superior quality, and are awarded *A Bronze Medal.*

443. LESTER & GIBBS, *San Francisco*. Gentlemen's Boots and Shoes. Among those of particular excellence are their Oxford ties, buttoned boots, and Congress gaiters. They also present a handsome display of imported articles. *A Bronze Medal.*

260. STOLZE & MEINERS, *San Francisco*. A pair of Riding Boots. A very creditable production. *A Certificate of Merit.*

337. NASH & BEAMIS, *San Francisco*. Gentlemen's Boots. Excellent articles, imported.

342. HOLCOMBE & DOLE, *San Francisco*. Ladies' Boots and Shoes. A fine assortment of gaiters, shoes, and slippers, which in style, work, and material, are nearly, if not quite, as good as the best imported. They also present a variety of imported articles of fine quality. *A Diploma.*

306. JOHN FITZPATRICK, *San Francisco*. Trunks, Valises, and a Lady's Hat Box. All of exceedingly good quality, and furnishing another gratifying proof of the progress of our manufactures.

A Diploma.

The exhibition of Saddlery is particularly fine, and is attended with this interesting feature—that a portion of it is peculiarly Californian. The “California saddle” has been generally acknowledged to be the best in the world for use upon long journeys, riding up and down steep hills, lassoing cattle, and doing rough work generally upon horseback. But that, a rude compound of wood, leather, rings, straps, hair, and strings, useful and superior as it was for the purposes named, has now been metamorphosed into an article—beautiful in itself, and ornamental to the horse—to which has been given elegance and comfort, without detracting from the utility of its predecessor. The Mexican saddle, too, has been much improved in durability and usefulness, without injury to its beauty; and the Texan saddle has been thoroughly regenerated.

899. MAIN & WINCHESTER, *San Francisco*. Saddles, Bridles, and Harness. Among these are two California saddles, one Texan saddle, and a California side-saddle, all made of the very best materials, put together in the most convenient and durable manner, and finished in a style of workmanship which almost defies competition. Also, a magnificent stallion bridle, and a beautiful English riding bridle. Also, a light single harness, and an elegant biting harness of a quality which does great credit to their skill. They presented, too, a great variety of imported articles in their line. *A Diploma.*

9. M. L. BIRD & Co., *Stockton*. A Texan Saddle. The model of this showy and elegant article possesses a really classic beauty, and had the design of the maker been accompanied with more attention to the details of workmanship, this saddle would have been considered the best of its class. It is awarded *A Bronze Medal.*

470. W. H. VAN SICKLER, *San Francisco*. A Mexican Saddle. One of the most perfect specimens of art on exhibition. It is faultless in every respect. *A Diploma.*

473. RICHARD DEIGHTON, *San Francisco*. An English Side-Saddle. Of this article it is only necessary to say that it is hardly

conceivable that any thing of the kind could be got up, in any part of the world, with more exquisite taste. *A Diploma.*

471. NICHOLAS MONDRAGON. A Mexican Bridle. Of very beautiful workmanship, and awarded *A Diploma.*

676. W. P. RAYMOND, *San Francisco.* A Mexican Bridle. Made by a convict in the State Prison, and scarcely inferior to the one preceding. *A Bronze Medal.*

167 and 248. B. GARDINER, *San Francisco.* Saddles, Bridles, and Harness. A fine assortment of beautiful goods. Imported.

883. JOHN WILSON & Co., *San Francisco.* Saddles and Harness. A variety of excellent articles, mostly imported. Also, two Firemen's Caps, of leather, of their own manufacture, to which last is awarded *A Diploma.*

520. ADAMS & Co., *San Francisco.* Firemen's Hats. Excellently made, and worthy *A Diploma.*

727. MALMGREN & NORDGREN, *San Francisco.* One set of Harness. Imported, but mounted here.

881. NEEFUS & EAYRES, *San Francisco.* Hose. Of good quality, and the only specimen presented. *A Diploma.*

CLASS XIII.

SIGN AND ORNAMENTAL PAINTING, GRAINING, PAINTING MATERIALS, AND GLUE.

Judges :

JAMES C. HARVEY,
HORATIO FROST, F. L. JONES.

186. F. NUTZ, *San Francisco.* Specimen of Ornamental Sign Painting. The design and execution of this piece of work display much artistic taste and skill, and entitle it to *A Diploma.*

381. JOSEPH G. ARMOR, *San Francisco*. Specimen of Ornamental Sign Painting. A smaller piece, but designed in good taste and executed by a skillful hand. Considered worthy

A Bronze Medal.

442. THOMAS ROBINSON, *San Francisco*. Specimens of Ornamental Sign Painting. Equal to the preceding. Though one of them is wanting in color, the deficiency is compensated by the excellence both of design and workmanship. Also

A Bronze Medal.

276. WRIGHT HARRIS, *San Francisco*. Specimens of Ornamental Sign Painting. Well designed, but poorly painted.

884. HOPPS & LOUGEE, *San Francisco*. Specimens of Ornamental Sign Painting. These are several small signs on tin, in all respects most creditable to the painters, and deemed worthy

A Diploma.

519. THOS. H. FLETCHER, *San Francisco*. Specimens of Graining and Shading. Those imitating oak and Gothic panels are superior to any others presented, and as good as any ever seen in this State.

A Diploma.

637. ROBERT LUND, *San Francisco*. Specimens of Graining and Marbling. These are very good, and the one in imitation of rose-wood is the best exhibited.

A Diploma.

320. DEANE & OLIVER, *San Francisco*. Specimens of Graining and Marbling. Rather stiff, with the exception of the Marbling, which is better than any other offered.

A Diploma.

54. B. WEST, *Benicia*. Specimens of Graining and Marbling. These generally lack life and color, but the decorative mouldings and panels are exceedingly good.

A Diploma.

441. JOHN TOMLINSON, *San Francisco*. Specimens of Graining and Marbling. Of no extraordinary merit except the one representing branch mahogany, which is the best of its kind in the exhibition.

66. J. R. KELLY, *San Francisco*. Specimens of Graining. In imitation of oak. Overdone and too highly colored, which gives them a harsh and unnatural appearance.

218. C. ROHRLE, *San Francisco*. Glue. The best on exhibition.

A Bronze Medal.

85. E. KUNITZ, *Santa Cruz*. Glue. Nearly as good as the preceding. *A Diploma.*

43. BLOCK, JENA & Co., *San Francisco*. Glue. A very fair article.

338. C. H. RAYMOND, *San Francisco*. Samples of Chrome Yellow and Red. The only painting materials exhibited. These are manufactured from iron, and, although very good colors, are inferior to those produced from lead.

CLASS XIV.

FURS, HATS, CAPS, UMBRELLAS, WALKING-STICKS, GENTLEMEN'S CLOTHING, AND MERCHANT TAILORS' GOODS.

Judges:

I. B. PURDY,

GUSTAVE MARGUERIE,

WM. SHERMAN,

C. REBARD,

JAMES GREENWOOD.

The exhibition of articles in this class, especially of hats and caps, was very large, and was of a character to do credit to the exhibitors in any market of the world.

580. THOMAS YOUNG, *San Francisco*. Fur Capes and Cuffs. Dressed and manufactured by himself, and very handsome.

A Diploma.

340. O. H. BOYD & Co., *San Francisco*. Two show-cases of Hats. Of superior quality, and the best exhibited. *A Diploma.*

332. J. C. MEUSSDORFER, *San Francisco*. Show-case of Hats. Excellent articles. *A Bronze Medal.*

72. COLLINS & TIFFANY, *San Francisco*. Show-case of Hats. Very good. *A Certificate of Merit.*

73. NICKERSON, STAHL & QUINN, *San Francisco*. Show-case of Hats. Also, a Peruvian Hat, stiffened and dressed, considered the best ever finished in this or any other country. For this last

A Diploma.

520. ADAMS & BRO., *San Francisco*. Twenty-two Hats. Of fair quality.

647. J. HARTMANN, *San Francisco*. Case of Hats, Furs, Skins, &c. Very fair.

132. M. HARRIS, *San Francisco*. Show-case of Caps. The best exhibited. Also, a Military Hat and a Set of Furs. For the Caps,

A Diploma.

105. MRS. E. A. LANG, *San Francisco*. Show-case of Caps. Very handsomely made.

A Bronze Medal.

74. D. ABRAHAM, *San Francisco*. Show-case of Caps. Of good quality.

A Certificate of Merit.

361. S. H. GRASSHEIM, *San Francisco*. Case of Caps. Very fair.

62. C. STALLMAN, *San Francisco*. Show-case of fine Clothing. Among other handsome articles, a superfine Frock Coat, the best exhibited.

A Diploma.

501. WALTER & TOMPKINS, *San Francisco*. Show-case of fine Clothing. Very excellent, and containing the best over-coat and vest presented.

A Diploma.

798. JEAN BEZIADE, *San Francisco*. A pair of Pantaloon. The best offered for competition.

A Diploma.

598. P. PAUCKAC, *San Francisco*. A pair of Pantaloon.

633. MRS. PLUMMER, *San Francisco*. Two cases of Shirts and Vests. Of her own manufacture and very fair.

385. FIGEL & BRO., *San Francisco*. A lot of Furnishing Goods.

655. EDWARD NUNAN, *San Francisco*. Hat Blocks. Considered the best ever offered to the trade.

A Diploma.

257. A. JELLINECK, *San Francisco*. A Walking-Cane. Of very beautiful manufacture. *A Diploma.*

899. MAIN & WINCHESTER, *San Francisco*. Two Carriage Robes of Grizzly Bear Skins. Very fine.

19. F. W. FRANTZKEE, *San Francisco*. One Carriage Robe of Raccoon and other skins. Also very handsome.

CLASS XV.

UPHOLSTERY, CARPETS, AND RUGS.

Judges:

L. C. OWEN,
W. M. LAPSLEY, DANIEL NORCROSS.

The display of articles belonging to this class of manufactures was rather meagre in point of quantity, though very creditable as to quality.

885. FRANK BAKER & Co., *San Francisco*. Upholstery and Fixtures. A variety of articles manufactured here, together with sundry imported ones. Considered the best collection presented. *A Diploma.*

53. MRS. W. K. DOE, *San Francisco*. A Seamless Carpet. Of her own manufacture, and a very beautiful piece of work. *A Diploma.*

586. WM. LYONS, *San Francisco*. Two Worsted Rugs. Reflecting great credit on the maker. *A Diploma.*

97. KENNEDY & BELL, *San Francisco*. A case of Fixtures, and two Hearth Rugs, imported. The last superior to any thing of the kind exhibited. *A Certificate of Merit.*

CLASS XVI.

MODELS OF SHIPS AND BOATS, AND BOAT-BUILDERS' WORK;
ROPES, CORDAGE, AND TWINE; PUMPS; AND BLOCK-MAKERS'
AND SAIL-MAKERS' WORK.

Judges :

M. R. ROBERTS,	
J. B. LEONARD,	WILLIAM W. NEAL,
W. T. THOMPSON,	THOS. W. McCALLIAM,
THOMAS BIGLEY,	CHARLES G. AMORY.

With a few other things in this department, a great number of models of vessels of various kinds are exhibited; but, in consequence of the absence of the proper descriptions which should have accompanied them, the judges have been greatly at a loss to know how properly to present them. In most instances, no data of any sort has been afforded—sometimes not even the name of the contributor; and thus not only must many be entirely unnoticed, but even those of which something is known will probably in some cases be criticised erroneously. From the best information obtained, however, the following is offered :

18. JOSEPH RINGOT, *San Francisco*. A Model of a Ship. This is a model of a merchant ship of two thousand tons; and combining, as it does, all the requisites of good capacity, fast sailing, beauty, and convenience, it is deemed worthy of the highest praise, and entitled to *A Diploma*.

824. J. HANSCOM, *Mare Island*. A Model of a Steam Sloop-of-War. This excited much admiration, and is considered an excellent model of a first class propeller for use in the navy. *A Diploma*.

154. D. C. M. GOODSSELL, *San Francisco*. A Model of a Schooner. A very superior model for one of that class of vessels so familiar in the Bay of San Francisco, and the best presented.

Mr. Goodsell also presented the Models of a Propeller and a Side-Wheel Steamboat, both excellent, and the only ones of the class exhibited. *A Diploma*.

153. P. HUDSON, *San Francisco*. A Model of a Schooner. Similar to that exhibited by Mr. Goodsell, and but little inferior.

A Bronze Medal.

786. W. H. GIBBS, *San Francisco*. A Model of a Steamboat. This is a very handsome model of a stern-wheel steamboat; but for want of a schedule of the proposed dimensions, and other necessary information, it is impossible to say more than that the model is a piece of beautiful workmanship, and that it seems well adapted for shallow waters.

396. G. B. POST, *San Francisco*. A Model of a Frigate.

421. C. J. HAWLEY, *San Francisco*. A Model of a Ship.

472. A. REICHMAN, *San Francisco*. A Model of a Clipper Ship.

578. JOHN LEWIS, *San Francisco*. A Model of a Brig.

38. J. H. STORER, *Coloma*. A Miniature Man-of-War. This is a line-of-battle ship, fully rigged and armed; and its good model, the symmetry and fair proportion of its spars and rigging, and the completeness of its armament and equipments, evince the thorough and practical knowledge of naval architecture possessed by its maker, and entitle it to much consideration.

A Diploma.

900. J. DOUGLASS, *San Francisco*. A Miniature Ship. Of good model, beautifully rigged and sparred, and finished in a most workmanlike manner.

A Certificate of Merit.

659. H. B. JANES, *San Francisco*. A Miniature Ship. The "Flying Cloud," one of our fastest clippers.

523. W. H. PILGRIM, *Sacramento*. A Miniature Clipper Ship.

591. W. H. PATTEN, *San Francisco*. A miniature of the Yacht of Queen Victoria.

710. CHRISTIAN KITT, *San Francisco*. A miniature Ship.

711. A. A. WALKER, *San Francisco*. A miniature Ship.

796. WM. THOMPSON, *San Francisco*. A miniature Ship.

901. ———, *San Francisco*. A miniature Felucca. A

fine model of that class of lateen-rigged vessels so well known in the Mediterranean and oriental seas.

305. AUGUSTE JOUAN, *San Francisco*. Four models of Ships with elastic lee-boards and fins; and a self-acting marker for deep sea soundings.

185. J. C. HOYT, *San Francisco*. Plans for the prevention of sweat on board ships, which are strongly commended.

886. J. C. LAWTON, *San Francisco*. A Rope Rudder. An admirable invention for the relief of a vessel which has lost her rudder, and especially commended to the attention of the committee of awards.

529. PETTY & WRIGHT, *San Francisco*. A Self-Reefing Top-sail. This is one of Cunningham's patent, a most useful invention, improved by Capt. Samuel Verry, of the ship "Hurricane," and made by the exhibitors. The bonnet is so constructed that in case of the blowing away of the close reef, it can be unbent and another sent up, without unbending the sail.

696. C. RILEY, *San Francisco*. A suit of Yacht Sails. Well fitted and of correct and durable workmanship. *A Diploma.*

566. ADRAIN & STORY, *San Francisco*. Two Bolts Cotton Duck. Of extra quality, and peculiarly well adapted for mining purposes.

896. TUBBS & Co., *San Francisco*. Cordage. A variety of sizes, of a quality which will vie with any ever manufactured. The judges take especial pleasure in commending so good a product from the first manufactory of the kind established in this State.

A Diploma.

567. P. H. & P. A. OWENS, *San Francisco*. Manila Cordage. Imported.

763. RICHARD HAYES, *San Francisco*. Cotton Rope. Imported.

237. H. L. BELL, *San Francisco*. A Deep-Sea-Sounding Marker.

841. SAYBURAN & HANSEN, *San Francisco*. A Block. A very good article, and the only one exhibited.

326. JOSEPH MCGREGOR, *San Francisco*. A Sextant.

707. — KENDALL, *San Francisco*. A model of a Double Action Submarine Water Wheel.

CLASS XVII.

COOPERAGE.

Judges:

GEORGE GORDON,
IRA P. RANKIN, DAVID L. BECK.

But few articles in this class are presented, but it is pleasing to be enabled to say that of those few, all are so good of their several kinds that it is difficult to award a preference to any.

888. ECK & CHICOLOT, *San Francisco*. An $\frac{1}{8}$ Brandy Cask, a Funnel, and a jug-shaped Measure. All of oak, in the French style, with willow-bound hoops, and of superior workmanship and good finish.
A Diploma.

249. F. A. KNOWLES, *San Francisco*. A Half-Barrel and Keg. Made of Sierra Nevada sugar pine, with hoops of California hazel. The work is exceedingly well done. For barrels or kegs the sugar pine is an excellent material, but for heavy packages or those liable to rough usage, it is too soft and tender.
A Diploma.

179. J. HANS & Co., *San Francisco*. A Nest of Tubs and Pails. Of Port Orford cedar, strong and very well made.
A Diploma.

327. B. T. CHASE & Co., *San Francisco*. A Barrel and Half Barrel. These are made by machinery invented and constructed by the exhibitors. The staves are of Oregon yellow pine, the heads of Oregon white fir, and the hoops of California hazel. The packages combine lightness, strength, and beauty of finish in an eminent degree. They possess this peculiarity, that the staves, instead of being forced into and retained in their positions by the hoops, are sawed to the bilge; which leaves the whole strength of the hoops to

be devoted to keeping the staves together when the package is filled. They are considered superior to the dry packages for flour, meal, sugar, &c., made in the Eastern States by the machinery used there, and are worthy of more than ordinary commendation. *A Silver Medal.*

CLASS XVIII.

PHILOSOPHICAL AND MATHEMATICAL APPARATUS, OPTICAL INSTRUMENTS, ETC.

Judges :

LEANDER RANSOM,	
HENRY N. WYMAN,	MILO HOADLEY,
GEORGE R. TURNER,	L. MAYNARD.

The display of articles in this department is unexpectedly fine, and the judges cannot refrain from expressing their surprise and gratification at seeing so great a variety of the nicer instruments employed for scientific purposes, presented as the handiwork of California artizans, and exhibiting skill and ingenuity which would do credit to any workmen in the world.

893. THOMAS TENNENT, *San Francisco*. Mathematical and other Instruments. A great variety. Among them—

A Leveling Instrument, bright finished, with a twelve-inch telescope; well adapted for mining and ditch work, having a ball-and-socket joint to facilitate its use upon declivities. The best finished Level on Exhibition.

A Camera Lucida, for taking landscape views, easily adjusted to suit the size of the picture required.

A Mining Reflector, for illuminating tunnels and shafts, finely finished, and apparently likely to be of great utility.

A Leveling Staff with Slide, very accurately graduated.

Several Ground Glass Bulbs, for leveling instruments.

All these are very nicely and accurately made, and they are finished with great beauty. Mr. Tennent also exhibits a number of Transit

and Leveling Instruments, Barometers, Telescopes, Marine Glasses, &c., imported.

A Certificate of Merit.

581. WILLIAM SCHMOLZ, *San Francisco*. Mathematical, Astronomical, and other Instruments. A large number, among which are found the following :

An Improved Astronomical Instrument, recently invented by Dr. R. C. Matthewson, of San Francisco. This combines the principles of the modern transit instrument with the sextant, by which means observations for longitude can be taken. As the telescope revolves in the plane of a parallel of latitude, instead of the arc of a great circle, a true parallel of latitude can be run by fore and back sights. A Solar apparatus is attached, making it a very peculiar instrument, and one of much apparent merit.

A Transit Instrument, with vertical circle, improved by detaching the vernier plate; thus enabling the operator to set off the variation, and run to and mark the true meridian.

A Theodolite, of the ordinary construction, with well ground glasses. A well proportioned and serviceable instrument.

A Leveling Instrument, with a compass attached. A very useful arrangement for ditch and mining purposes.

An Odometer, for measuring roads.

A Clinometer, for measuring the dip of mineral strata.

Two Mountain Barometers, a cistern, and syphon.

Thermometers, of various kinds; among them two self-registering, with Hygrometer attached.

A Reflector, to be attached to transit telescopes for night observations.

Assayers' Scales, capable of weighing to the 1-10.000th part of a grain, and a set of weights.

The foregoing have not the elegance of finish exhibited by those of Mr. Tennent, but will compare well with similar instruments of eastern manufacture; and much credit is due to Mr. Schmolz, not only for the extent of his display, but for the ingenuity and good workmanship it evinces.

A Bronze Medal.

813. JOHN ROACH, *San Francisco*. Two Astronomical Telescopes. One of these is of great power, and the glasses appear to be remarkably fine. It is a subject of much regret to the judges, that they had no opportunity of critically examining these apparently splendid instruments.

834. LEUDKE & HAMMES, *San Francisco*. An Electric Clock. This consists of a half-second quicksilver compensation pendulum, suspended by a spring, near which are two rings fastened upon the pendulum, five eighths of an inch from either side. Above the pendulum is an electro-magnet, which alternately attracts and lets fall a strip of iron placed below it. Above the pendulum, also, is a balance, from both ends of which a ball is suspended by a silken thread, and these balls fall exactly into the rings fastened upon the sides of the pendulum. The balance is in connection with the strip of iron which is affected by the magnet, so that with the movement of the pendulum to the right and left, the balls fall alternately into the opposite rings, and give the pendulum a slight and very regular impulse, by means of which it is kept in continual motion. Under the suspension points of the pendulum is a platinum roller, into which on one side a bit of ivory is set to turn with the roller, from which piece of ivory a fork projects downwards and connects with the pendulum, so that its motion is conveyed to the roller. Upon the roller rest two conducting wires of platinum, one of which always rests upon the platinum of the roller, while the other rests alternately on the platinum and on the ivory, as the roller turns back and forth with the movement of the pendulum. When both wires are on the platinum of the roller, the electric current is complete, and the electro-magnet lifts up the strip of iron; but when the movement of the pendulum turns up the ivory portion of the roller, so that one wire rests upon that non-conductor, the stream is broken, the electro-magnet loses its power, and the strip of iron falls. This alternation keeps the balls in motion, and they impel the pendulum.

The improvement in this clock, which Messrs. Luedke & Hammes claim as their own invention, and as being of great importance, consists in the use of the balls. By their means the impelling power is not the irregular current of a galvanic battery, but the always equal weight of two little balls, kept in motion by the battery. It is, in fact, a ball escapement, without wheels. All the movable parts of the clock run on jewels; and the works are so simple, and have so little friction, that the electric power of an earth-battery will be sufficient to keep it in motion for ten years. It is an interesting specimen of ingenuity, and deserving of very high consideration. *A Silver Medal.*

426. LAWRENCE & HOUSEWORTH, *San Francisco*. Mathematical, Philosophical, Optical, and Magnetic Instruments. A very great variety, and of superior excellence. Imported.

CLASS XIX.

FIRE-ARMS AND SPORTSMEN'S APPARATUS.

Judges:

A. B. FORBES,	
JOHN ROACH,	A. C. WAKEMAN,
P. B. COMINS,	R. S. LAMMOT,
THOMAS TENNENT,	EUGENE DELESSERT.

In reporting upon the articles in this department submitted to their inspection, the judges take occasion to say that their judgment in regard to the rifles exhibited is founded, not only upon their style of manufacture, materials, and general appearance, but also upon a fair test of their shooting qualities, by repeated firing in the hands of skilful marksmen.

538. A. J. PLATE, *San Francisco*. Fire-Arms and Huntsmen's Apparatus. All of superior quality, and, considered as a whole, the finest lot exhibited. Among other arms was a Rifle, of fine workmanship and finish, which, judged by the test of firing, was the best "shooting-iron" presented. *A Diploma.*

449. J. C. E. KLEPZIG & Co., *San Francisco*. A case of Fire-Arms. Among these is a double-barreled breech-loading Shot Gun of their own invention. This possesses much more than ordinary projectile force, entirely burying its shot in pine timber at a distance of sixty yards; and it is strongly commended to the consideration of the committee on awards.

Messrs. Klepzig & Co. also present a Rifle with improvements of their own invention. The principal one appears to be a triangular groove in the bore, for which is claimed increased projectile power and greater accuracy in shooting. From the experiments made in the presence of the judges, this gun does not yet appear to have attained the latter distinction, but it is proper to state that the inventor declared it to be incomplete and imperfect, in consequence of the hurry with which it had been made for this exhibition. *A Silver Medal.*

384. F. HELLINGHAUS, *San Francisco*. A Rifle. This was ad-

judged to be the second best in accuracy of firing, and in beauty of finish was the best of the weapons of this class exhibited. It possesses the improvement of a roughened top side of the barrel, which prevents the glare of the sun from affecting the sight. As the best finished weapon of its class,
A Diploma.

889. ROBERT LIDDLE, *San Francisco*. A Rifle. A very fine gun, and rated as the third in the shooting experiments and in its workmanship.
A Certificate of Merit.

902. ——— MERRILL, *San Francisco*. A Breech-loading Rifle. This gun possesses great power, burying its ball in solid timber twelve and a half inches, at a distance of twenty feet; and is worthy of particular notice.
A Certificate of Merit.

464. JOHN BACH, *San Francisco*. A Rifle.

735. E. K. JENNER, *San Francisco*. A double-barreled Rifle, of exquisite workmanship and singular destructive power. Invented by himself, but not entered for competition.

108. B. LAGOARDE, *San Francisco*. A case of Fire-Arms. Imported.

273. J. M. BOGART, *San Francisco*. A case of Sportsmen's Apparatus. Containing a great variety of every thing for fishermen's use. Imported.

641. CHARLES CURRY, *San Francisco*. A case of Fire-Arms, Imported.

CLASS XX.

WIRE-WORK, WILLOW-WORK, BIRD-CAGES, BROOMS, BRUSHES, ETC.

Judges.

CARL J. MARWEDE,
JAMES ROSSITER, JOSEPH F. ATWILL.

304. GEORGE DENNIS, *San Francisco*. Wire-Work. Among

other articles, a Fender, two Bird-Cages, a lot of Sieves, and sundry rolls of Netting. *A Diploma.*

51. LEWIS REICHARD, *San Francisco*. Four Wire Flower-Baskets, and a Wooden Flower-Stand.

121. JOSEPH OTTIGNON, *San Francisco*. Sixteen pieces of Willow-Ware. The only ones exhibited, and well worthy *A Diploma.*

206. JOHN A. WOLF, *San Francisco*. Brooms. A very handsome lot, and the best presented. *A Diploma.*

759. C. W. & G. W. ARMES, *San Francisco*. Brooms, and specimens of Broom Corn. Very good. *A Bronze Medal.*

232, 382. NEWMAN, BROS., *San Francisco*. Brushes. Well made articles. *A Diploma.*

CLASS XXI.

DENTAL AND SURGICAL INSTRUMENTS, AND CUTLERY.

Judges:

JOHN ROACH,
R. E. COLE, THOMAS TENNENT.

28. J. W. W. GORDON, *San Francisco*. A Patent Spring Vaccinator. As this is believed to be an improvement upon the ordinary implements used in vaccination, and was invented here, it is awarded *A Silver Medal.*

423. M. CHAUVEAU, *San Francisco*. A show-case of Trusses, Apparatus for correcting Club Feet, &c. The last of much merit, and deserving *A Diploma.*

553. HUGH MCCONNELL, *San Francisco*. A case of Cutlery, &c. Among other articles,
A Veterinary Spring Lancet, of excellent design and fine finish.
A Nicking Knife, of superior construction, so arranged that the

blades not in use can all be contained within the handle, while the one employed is attached by a very ingenious mechanical contrivance.

A Truss, with an ivory pad, which is considered much more cleanly than those ordinarily used, and which, by means of a set-screw, can be placed in any position required, and can be used on either side.

A Hunting Knife, with heavy blade, very beautifully finished.

An Ear Trumpet, well made, and well adapted to the purpose required.

Excavators for dentists' use, a finely finished Razor, Pruning Shears, Scribe Tools, Pinking Irons, &c., &c.

The Nicking Knife and Truss are particularly good, and all are finished in a most workmanlike manner. *A Diploma.*

197. F. KESMODEL, *San Francisco*. A case of Cutlery, &c. Containing, among other things, Veterinary Spring Lancets, of good quality; Pruning Shears, made entirely of steel; and a Combination Lock, of peculiar construction. *A Bronze Medal.*

890. W. H. KEITH & Co., *San Francisco*. Surgical and Dental Instruments. A great number, of the best description. Imported.

903. BOFER & Co., *San Francisco*. A case of Cutlery. Imported.

603. J. L. MARTEL, *San Francisco*. Cases of Knives. Imported.

642. WM. P. KENYON, *San Francisco*. Pocket Knives. Imported.

CLASS XXII.

LITHOGRAPHS, ARCHITECTURAL DRAWINGS, AND PENMANSHIP.

Judges:

G. PARKER CUMMINGS,
T. C. BOYD, PAUL TORQUET.

173. BRITTON & REY, *San Francisco*. Lithographic Prints. The finest specimens presented. *A Diploma.*

172. KUCHEL & DRESSEL, *San Francisco*. Lithographic Prints. Excellent, and entitled to *A Bronze Medal*.

227. LOUIS NAGEL, *San Francisco*. Lithographic Prints. Very good.

161. E. J. MUYGRIDGE, *San Francisco*. Lithographic Prints. Imported.

61. R. KELLEN, *San Francisco*. Lithographs, &c. Imported.

138. CHAS. LACY, *San Francisco*. Architectural Drawings. Considered the best exhibited, the Byzantine Church being particularly fine. *A Diploma*.

747. CLARK & KENITZER, *San Francisco*. Architectural Drawings. Among these, the drawings of the State Capitol, and the proposed building for the Mechanics' Institute, may be mentioned as evincing great skill in architecture, and fine taste in drawing. *A Bronze Medal*.

367. VICTOR HOFFMAN, *San Francisco*. Architectural Drawings. Two perspective drawings of Italian villas are very beautiful and highly finished.

5. JOSEPH BOARDMAN, *San Francisco*. Architectural Drawings.

90. C. C. ORDEMAN, *Sacramento*. Architectural Drawings.

184. L. R. TOWNSEND, *San Francisco*. Architectural Drawings.

239. S. H. WILLIAMS, *San Francisco*. Architectural Drawings.

692. P. HURNE, *San Francisco*. Architectural Drawings.

709. A. MASSONVILLE, *San Francisco*. Architectural Drawings.

505. G. W. WOOLLEY, *San Francisco*. Specimens of Penmanship. Considered the most beautiful presented, and entitled to *A Diploma*.

535. M. DUBOURG, *San Francisco*. Specimens of Penmanship. Excellent, and awarded *A Bronze Medal*.

115. W. M. PIERSON, *San Francisco*. Specimens of Penmanship.

848. A. C. WAIT, *San Francisco*. Specimens of Penmanship.

233. C. NAHL, *San Francisco*. Specimen of Pen Drawing. A muster-roll of Fire Engine Company No. 7, beautifully executed.
A Diploma.

822. J. H. PEIRCE, *San Francisco*. Specimen of Pen Drawing. A muster-roll of the National Guards, excellently done.
A Bronze Medal.

425. A. P. VELDHAUSEN, *San Francisco*. Specimen of Card Writing.

CLASS XXIII.

GAS, BURNING FLUIDS, GAS FIXTURES, ETC.

Judges:

GEORGE GORDON.

J. H. PURKITT,	E. W. CHURCH,
FREDERICK BILLINGS,	HENRY GIBBONS.

The Judges of this class have devoted much time and labor to the investigation of the matters submitted to them. There were four kinds of lights exhibited claiming to be gas-lights, viz.:—

Coal Gas, made by the San Francisco Gas Company;

Rosin Gas, made by the Aubin Gas Company;

Benzole Gas, made by the Benzole Gas Co.'s apparatus;

Coal Oil Gas, made by an apparatus of Mr. Thos. Varney.

Of these the judges have decided to consider the first two only under the name of "manufactured gas" ordinarily so called; considering the remaining two, with the apparatus therewith connected, in another part of their report, under the head of "burning fluids."

904. SAN FRANCISCO GAS CO., *San Francisco*. Coal Gas.

507. AUBIN GAS CO., *San Francisco*. Rosin Gas.

These two gases were carefully and comparatively examined, and the illuminating power of each tested by the photometer, taking as a standard of comparison and for the unit of light, an ordinary wax candle. They cannot strictly be considered as entering into competition with each other. The materials from, and the apparatus by which they are severally manufactured, are entirely different, so that while both are in a high degree meritorious for their respective purposes, it is difficult to introduce a comparison between them for the object of awarding a premium, except in the single desideratum of the comparative purity and intensity of the light they afford.

The judges visited the City Gas Co.'s works, and found them in the highest state of efficiency and order. Not only have they very perfect, smooth-working, and substantial mechanical arrangements, but a great degree of taste, and a gratifying attention to cleanliness and beauty of appearance, have evidently influenced their construction, and still attends their management. Neither in Europe or the Atlantic States have any of the judges seen so handsome an establishment of the kind, for its size, nor do they recollect ever to have seen coal gas of greater brilliancy and purity than this, our own domestic manufacture.

The apparatus by which the rosin gas was manufactured by the Aubin Gas Co., was also examined at the Pavilion of the Exhibition. The object of the inventor was to provide simple, cheap, and almost portable gas-works for villages, large isolated buildings, (such as hotels and manufactories), blocks of buildings, or private dwellings, remote from coal gas works. For these purposes this apparatus is most admirably adapted, being cheap, safe, and not requiring the skill of an expert in its management. For use in California it is capable of entering into successful competition with more costly coal gas works on a large scale, from the fact that the rosin required to produce the gas costs rather less than coal for the production of a similar number of feet. As a general statement, it may be assumed that nine hundred pounds of rosin will afford as much gas as one ton of bituminous coal—about nine thousand feet. As to the actual cost of rosin gas, the judges differ somewhat in opinion with its exhibitors. So far as could be learned from the consumption of material and product of gas by the works operating at the Exhibition, and from the published experiments of Mr. Aubin himself, the cost in San Francisco of making gas with an apparatus such as was presented, is about as follows :

70 pounds of Rosin, at $1\frac{3}{4}$ cents per pound,	\$1 22
40 pounds of Coal, 45 cents; Sawdust, etc., 35 cents,	80
Attendance in Manufacturing,	1 50
Total,	<hr/> \$3 52

This amount of materials produced six hundred feet of gas, making the cost equivalent to \$5.86 per one thousand feet, without reckoning wear and tear of machinery, interest on investment, or incidental expenses. On a large scale, the item for "attendance" might be considerably reduced.

The Aubin gas presented a clearer, and whiter, and apparently purer light than the coal gas, but one of less volume and less illuminating power, for the quantity consumed. The space in the Pavilion lighted by the Aubin gas was equal to about one fourteenth of the whole building, in which there were fifty-three burners, consuming about one hundred feet per hour. Of the remaining thirteen fourteenths of the building, twelve fourteenths were lighted by the city coal gas; there being two hundred and six burners, consuming six hundred and sixty-five feet per hour. The consumption of rosin gas, therefore, in proportion to the area lighted, was nearly two feet to one of the coal gas; but at the same time it must be remarked, that in purity, brightness, and freedom from smell or smoke, the rosin gas presented superior attractions in the Exhibition.

Experiments were made with the photometer on the two gases, as before stated. The unit, or standard of light, was a wax candle consuming one hundred and twenty-five grains per hour. The same photometer, meter, burner, and pressure were used in all the experiments, and the same rules for determining the comparative luminous power of the two lights were employed that have been established thoroughly by scientific men.

An Aubin gas burner consumed 2.8 feet of gas per hour. The intensity of its light was equal to 12.36 wax candles, which results in one thousand feet of the gas thus burned being equivalent to 551.875 grains, or nearly seventy-nine pounds of candles.

A coal gas burner consumed 3.5 feet of gas per hour. The intensity of its light was equal to 17.91 wax candles; which results in one thousand feet of the gas being equivalent to 639.375 grains, or ninety-one and one-third pounds of candles.

The test for the coal gas was tried under unfavorable circumstances, inasmuch as it had been for forty-eight hours in the pipes in the build-

ing, becoming consequently refrigerated and less luminous than if taken fresh from the main, and near the works, as was the case with the rosin gas. Professor Silliman found a difference of twenty per cent. in the illuminating power of the same gas at New Haven, when tried at the gas works, and at a point three fourths of a mile distant. One of the judges, from curiosity, tried an experiment upon the coal gas at the City Gas Works, upon the same evening that the experiments at the Exhibition were conducted—using the same photometer, burner, pressure, and candle, with the following result: The burner consumed 2.8 feet per hour, and gave a light equal in intensity to 33.35 candles; one thousand feet of gas thus equaling 1,488.840 grains, or two hundred and twelve pounds of candles. As the coal from which this gas was made was superior to the average of the coal commonly used, and as the walls of the room in which the experiment was made seemed to possess considerable reflective effect, a second experiment was determined upon, which took place on the following evening, at the workshop of the Gas Company, with gas made from ordinary coal. At this trial, (all the implements being the same,) the burner consumed 3.44 feet of gas per hour, and gave a light equal to 30.77 wax candles; showing that one thousand feet of gas thus burnt was equal to 159.04 pounds of wax candles. As no favoring circumstances attended this experiment, the judges consider it a fair test of the illuminating power of the coal gas at the City Gas Works. Taking as correct the statement of Professor Silliman, that gas loses as much as twenty per cent. of its illuminating power in its distribution through pipes for distant use, an approximately correct estimate of the brilliancy of the coal gas may be considered to be, that one thousand feet is equal to one hundred and thirty-eight pounds of wax candles. The comparative intensity of the light afforded by the gases experimented upon may therefore be stated thus:

A burner consuming five feet of rosin gas per hour, gives light equal to 22.07 candles.

A burner consuming five feet of coal gas per hour, as per experiment at the Exhibition, gives light equal to 25.58 candles.

A burner consuming five feet of coal gas per hour, at the works, as per last experiment, gives light equal to 44.70 candles.

To each of the exhibitors of these gases, for their respective merits, is awarded
A Diploma.

79. J. C. PEDRICK, *San Francisco*. A Benzole Gas Machine, for forty burners.

80. B. McDOUGALL, *San Francisco*. Two small Benzole Gas Machines, for five burners each.

The gas produced by these machines presented a clear and steady light. The apparatus by which the benzole was vaporized and driven up to the burners, appeared to be strong, neat, and compact; but a view of its interior could not be obtained, as the exhibitors objected to it, on account of the difficulty of taking the machines apart and re-constructing them. They were made in the State of New York. The judges are of the opinion that there are grave objections to the benzole apparatus, on account of the high cost and inflammable character of the material employed, and because it requires a warm and even temperature to work efficiently. In the Exhibition it was found necessary to keep a light burning under the machines, and it was observed that when the gas was conveyed in pipes to a burner at a distance of about thirty feet, it exhibited a marked deterioration in the quality and steadiness of the light.

506. THOMAS VARNEY, *San Francisco*. A Hydro-Carbon Gas Apparatus. This apparatus for burning the coarser hydro-carbons generated from coal, (such as coal oil,) produced a pleasant light, which compared favorably with the surrounding gas lights. It is a California invention, of remarkable ingenuity; and, though it admits of improvement and simplification, it answers its intended purpose well, and possesses the advantage of producing a good light from cheap and comparatively safe materials. It is recommended that for the invention Mr. Varney be awarded *A Silver Medal*.

325. R. F. KNOX & Co., *San Francisco*. Camphene and Burning Fluids.

422. STOTT & Co., *San Francisco*. Camphene and Burning Fluids.

892. STANFORD, BROS., *San Francisco*. Camphene and Burning Fluids.

714. DELAFONT & FOUQUE, *San Francisco*. Camphene.

All the foregoing are of domestic manufacture, and the various samples appeared clear and of good quality. The judges desired to test them comparatively, and for that purpose procured a room and lamps. Messrs. Knox & Co. only submitted their products to the test,

the others objecting to pay the cost of the lamps provided for the experiment. The camphene presented by this house was burned in a large lamp for three hours, consuming $1\frac{1}{4}$ pints of the liquid, and emitting a brilliant light. Tested by the photometer, (a wax candle being the unit,) its illuminating power was found equal to 21.29 candles, which results in a gallon of camphene thus burned being equivalent to 51.104 grains, or $7\frac{1}{8}$ lbs of candles. The burning fluid presented by the same exhibitors was burned in an ordinary fluid-lamp for three hours, consuming three sixteenths of a pint. Tested by the photometer, the light emitted was equal to 2.17 candles, showing that a gallon of fluid is equivalent to 34,720 grains, or nearly five pounds of candles. To Messrs. R. F. Knox & Co. is awarded for camphene and burning fluid,

A Diploma.

192. M. DOBRZENSKY, *San Francisco*. Two Gas Meters. Both these are of California construction, and neatly and correctly made—one being a Dry Meter, (Defrees' pattern,) the other a Wet Meter. Experts in gas matters pronounced both unexceptionable, but were divided in opinion as to the comparative utility of the two kinds. There were no other meters exhibited, and the judges are unable to report a preference as between these two.

A Diploma.

60. E. VAN VALKENBURGH, *San Francisco*. A Gas Regulator, This is of Waterman's patent, is simple in construction, and appears to work satisfactorily. It evidently renders the pressure of the gas much more uniform, and thus diminishes superfluous consumption. The judges regret that want of time prevented them from experimenting upon this machine sufficiently to speak with precision of its evident merits.

A Diploma.

801. SWAIN & Co., *San Francisco*. Chandeliers and Gas Fixtures. A very handsome exhibition of imported articles of that class.

CLASS XXIV.

FANCY SOAPS AND PERFUMERIES, HAIR ORNAMENTS, AND
OTHER FANCY ARTICLES.

Judges :

SAMUEL ADAMS,
L. D. LANSZWEERT, B. B. THAYER,
F. MONTAGUE.

891. OPPENHEIM & Co., *San Francisco*. Fancy Soaps and Perfumery. A beautiful assortment of most articles coming under this general name. Being really good, and manufactured here, it would have been in better taste had that portion of the labels bearing the word "Paris" been omitted. *A Diploma.*

288. J. DAVIS, *San Francisco*. Samples of Erasive Soap. This is manufactured from Chile bark and soap-root, (a production of the country,) and has been demonstrated to be very useful for cleansing silks, cloths, &c. *A Diploma.*

654. GEORGE CIPRICO, *San Francisco*. Hair Restorative. An article very favorably known. *A Diploma.*

704. W. ZELNER, *San Francisco*. Hair Restorative.

905. WM. WOOD, *San Francisco*. Hair Restorative.

235. MADAME JACQUINOT, *San Francisco*. Show-case of Hair Work. A great variety of ornaments manufactured from hair, exhibiting much taste and skill. *A Diploma.*

70. DAVID BUSH, *San Francisco*. Show-case of Hair Jewelry. Very beautifully made. *A Diploma.*

183. MISS — RICTER, *San Francisco*. A Hair Necklace, &c. Prettily designed and finished. *A Bronze Medal.*

570. MISS E. SHORT, *San Francisco*. Specimen of Hair Work. A large wreath, handsomely executed. *A Bronze Medal.*

906. MISS C. E. TEMPLETON, *San Francisco*. Hair Work.
A Wreath, well done. *A Bronze Medal.*

895. MISS GEORGIANA J. LAMB, *San Francisco*. Hair Work.
Another wreath, also well done. *A Certificate of Merit.*

CLASS XXV.

SOAPS, CANDLES, AND OILS.

Judges :

ADDISON MARTIN,
JOHN B. TRASK, H. P. COON.

210. JOHN FAY, *San Francisco*. A Box of Soap. Considered
the best exhibited. *A Diploma.*

907. J. P. DYER, *San Francisco*. Three Boxes of Soap. Nearly
as good as the preceding. *A Bronze Medal.*

218. C. ROHRLE, *San Francisco*. A box of Soap. Of inferior
quality.

223. T. WETZELL & Co., *San Francisco*. Three Boxes of Ad-
amantine Candles. The only sample of domestic manufacture exhib-
ited, and considered superior to any imported ones we have ever had
here. *A Diploma.*

325. R. F. KNOX & Co., *San Francisco*. Samples of Oils.
These comprise Sperm, Lard, Polar, and Coast oils. The last three
the best of those kinds exhibited. *A Diploma.*

429. STANFORD, BROS., *San Francisco*. Samples of Oils.
Comprising Sperm, Lard, and Polar oils. The first the best present-
ed. *A Diploma.*

303. H. C. HUDSON, *San Francisco*. A Jar of Mustard Oil.
This is purely a California production, and merits more than a passing

notice, being exceedingly valuable both for table use and for light. Its specific gravity is equal to that of the best quality of lard oil, and we consider it deserving
A Diploma.

CLASS XXVI.

SUGARS, SYRUPS, VERMICELLI, MACCARONI, TEA,
 COFFEE, CHOCOLATE, ETC.

Judges:

PHILIP VERPLANCK, JR.,
 WM. ARRINGTON, S. C. BRADSHAW,
 G. H. EGGERS, FRED. G. MERCHANT.

941. SAN FRANCISCO SUGAR REFINERY. A Glass Case, containing samples of Sugars and Syrups. In this was exhibited sugars in every stage, from the coarsest and dirtiest product of the cane, to the finest and whitest chrystalizations. The productions of this manufactory cannot be excelled, and the general admiration which they excited give evidence that they are well entitled to
A Diploma.

687. EUGENE DELESSERT, *San Francisco*. Samples of Beet Sugar. A very beautiful article of loaf sugar was among these, and the whole display was such as may well call attention to this branch of our domestic products.

292. E. GHIRINGHELLI, *San Francisco*. Samples of Coffee Syrup. A new article, and highly recommended to those wanting an expeditious cup of coffee.
A Diploma.

527. BRIGNARDELLO & Co., *San Francisco*. Vermicelli and Maccaroni. The samples of these articles furnished, are superior to any which have ever been imported.
A Diploma.

565. MEULI & SCHULTHESS, *San Francisco*. Vermicelli and Maccaroni. Scarcely inferior to the preceding. *A Bronze Medal.*

615. MARZIOU & Co., *San Francisco*. Vermicelli and Maccaroni. Imported.

757. HASKELL & Co., *San Francisco*. Teas, Coffee, Chocolate, &c. The teas and chocolate presented were very fine, and to the coffee, ground and prepared here, is awarded *A Certificate of Merit*.

461. D. GHIRARDELLI, *San Francisco*. Chocolate. The only specimen exhibited which was prepared here. Very good, and awarded *A Diploma*.

456. BOVEE & Co., *San Francisco*. Coffee, Mustard, and Spices. All ground and prepared here, and all good articles. To the ground spices is awarded *A Diploma*.

447. BAKER, WAITE, & BATTLES, *San Francisco*. Samples of Rice and Coffee. These were from the Oriental Rice Mills, and are presented to exhibit the perfection which their machinery has reached in the art of hulling and cleaning those articles. *A Diploma*.

770. GEORGE A. DUNN, *San Francisco*. Rice. From the San Francisco Rice Mills, and also offered as a specimen of cleaning. *A Bronze Medal*.

303. HUDSON & Co., *San Francisco*. Samples of Mustard. A great variety, ground and put up here, in bottles, cans, and jars, and of superior quality. *A Diploma*.

908. JACOB GILBERT & Co., *Petaluma*. Samples of Cheese. As good as need be. *A Diploma*.

909. GILES & GOODWIN, *Clear Lake*. Samples of Cheese. Nearly as good as the preceding. *A Bronze Medal*.

299. H. MACAIRE, *San Francisco*. A case of Starch. Apparently a very fair article.

752. J. F. APPLETON, *San Jose*. Honey. Remarkably fine, and awarded *A Diploma*.

736. WM. DANIELS, *San Jose*. A Box of Honey. The comb very white and beautiful. *A Bronze Medal*.

250. DE BOOM & GREENWOOD, *San Francisco*. Ten bags of Salt. Exhibiting coarse and ground salt, of remarkably fine quality. *A Diploma*.

196. THOS. DONELLY, *San Francisco*. A Box of Yeast Powders. Of excellent quality, and awarded *A Diploma*.

910. BRADSHAW & Co., *San Francisco*. Vinegar. This is manufactured from sugar, and is considered the best Vinegar for the table on exhibition. *A Diploma*.

800. GEO. CHASE & Co., *San Francisco*. Vinegar. The "white vinegar" presented by them was the strongest offered, and is deemed the second in quality. *A Bronze Medal*.

111. PARROTT & Co., *San Francisco*. Vinegar. Not as good as the others.

CLASS XXVII.

FLOUR AND MEAL, CRACKERS, SHIP BREAD, ETC.

Judges :

H. CHANNING BEALS,	
W. B. PEAKE,	J. H. BLETHEN,
STEPHEN OTIS,	A. F. BOND,
WM. R. GORHAM,	E. KENNEDY.

The exhibition of breadstuffs, though not very extensive, being only from mills in and near San Francisco, was most interesting, as tending to show the advances which a few years have made in our capacity not only to produce, but to manufacture an ample supply of our own cereals.

125. GEORGE C. YOUNT, *Napa*. A Sack of Flour. This sample was from his mill, "Star of the West," in Napa County; and though it lacked the strength, perhaps, of some of the other samples presented, it was considered to be of the best color, the best bolted, and in all respects the best cracker, as well as best family flour, exhibited. *A Diploma*.

229. GEORGE PARDOW, *San Francisco*. A Sack of Flour. This was from the "Sierra Nevada Mills," and was a very excellent

article, strong, and well suited for bakers' use, though not so white as the sample which follows. *A Bronze Medal.*

515. CONRO & BERRY, *San Francisco*. A Sack of Flour. From the "Golden Gate Mills," and a good article of bakers' flour.

A Certificate of Merit.

732. E. T. PEASE & Co., *San Francisco*. Four Sacks of Flour. Bearing the brand of the "American Mills," and a very handsome article.

360. C. G. FINNEY & Co., *San Francisco*. A Sack of Flour. From the "Pueblo Mills." Handsome in appearance, but after mixing becoming very dark—having evidently been made from smutty wheat.

377. G. B. MCGREARY & Co., *San Francisco*. A Barrel of Flour. Branded "Rochester Mills," and an inferior article in all respects.

628. JOHN ENDERS & Co., *San Francisco*. Samples of Corn Meal, Hominy, Buckwheat Groats and Flour, and Graham Flour. All of the very best quality, and equal, if not superior, to any samples of those articles which the judges have ever seen. *A Diploma.*

770. GEO. A. DUNN & Co., *San Francisco*. Rice Flour, Rye Flour, Oat Meal, Cracked Wheat, and Pearl Wheat. All excellent, the rice flour especially being deemed worthy *A Diploma.*

202. LOHSE, BROS., *San Leandro*. A Sack of Pearl Barley. A very beautiful article, to which is awarded *A Diploma.*

634. FRITZ MALINOS, *San Francisco*. A Sack of Pearl Barley. Very fair article.

241. DEETH & STARR, *San Francisco*. Navy and Pilot Bread, Soda, Sugar, Water, and Picnic Crackers, &c. All of superior quality, and handsomely put up in tins, boxes, &c., for shipment.

A Diploma.

CLASS XXVIII.

GINGER WINES, CORDIALS, MALT LIQUORS, &c.

Judges :

JOHN MIDDLETON,
 J. P. CORRIGAN, THOMAS BOYD,
 JOHN ROACH, JOHN HASTINGS,
 A. C. WAKEMAN.

In this department considerable rivalry existed, and in order to give all exhibitors a fair and equal opportunity to present their several contributions for examination, a certain hour was fixed upon by the judges for that purpose, of which notice was given to all. The following is offered as the result of their proceedings : —

911. TURNER, BROS., *San Francisco*. Ginger Wines, Essence of Ginger, Bitters, Syrups, Cordials, &c. A large and varied assortment, the excellent quality of which, and the handsome manner in which they are put up for market, give evidence of the care which has been bestowed upon their manufacture. To the Ginger Wines, Essence of Ginger, and Bitters, is awarded *A Diploma*.

The Syrups and Cordials are excelled by another competitor, and are recommended for *A Bronze Medal*.

217. M. S. & B. BROWN, *San Francisco*. Pure Extract of Jamaica Ginger. Twenty bottles of a very good article were exhibited, to which is awarded *A Diploma*.

605. A. BARBIER, *San Francisco*. Essence of Ginger. Not so good as the two preceding, but very fair. *A Certificate of Merit*.

292. E. GHIRINGELLI, *San Francisco*. Syrups and Cordials. Of very excellent quality, and reflecting great credit upon the manufacturers. *A Diploma*.

280. JOHN MASON, *San Francisco*. Six Bottles of Porter. A very good article, from the Eureka Brewery, and considered the best exhibited. *A Diploma*.

644. LYON & Co., *San Francisco*. A Half Barrel of Porter. But little inferior to the preceding sample. *A Bronze Medal.*

755. L. DELAFOND, *San Francisco*. Eighteen Bottles of Porter. Considered the third in quality on exhibition. *A Certificate of Merit.*

644. LYON & Co., *San Francisco*. Two Barrels of Ale. From the Empire Brewery, and superior to any presented. *A Diploma.*

280. JOHN MASON, *San Francisco*. One Barrel of Ale. From the Eureka Brewery, and considered deserving *A Bronze Medal.*

254. ADAM MEYER, *San Francisco*. Two Kegs and two dozen Bottles of Lager Beer. The best exhibited, and awarded *A Diploma.*

509. PHILADELPHIA BREWERY, *San Francisco*. A Barrel of Lager Beer. Considered entitled to *A Bronze Medal.*

282. E. ANDERSON, *San Francisco*. Lager Beer. Awarded *A Certificate of Merit.*

261. L. S. FORD, *San Francisco*. Three Sacks of Malt. Of very superior quality, and deserving *A Diploma.*

687. EUGENE DELESSERT, *San Francisco*. Samples of Alcohol and Brandy. These were distilled from the juice of the beet, and were of exceedingly good quality; and in consideration of this, and of the novelty of the production here, they are awarded *A Diploma.*

83. CLASSEN & Co., *San Francisco*. Two Cases of Soda Water. One of these was flavored with lemon, the other with sarsaparilla, and to them both is given *A Diploma.*

350. CUDWORTH & Co., *San Francisco*. Two Cases of Soda Water. Prepared like the preceding, but considered not quite so good. *A Bronze Medal.*

562. J. R. LOUCKS, *Napa*. A case of Soda Water. This was from the famed Soda Springs in Napa County, and the excellence of the water is too well known to make commendation necessary.

247. S. E. OAKLEY, *San Francisco*. A Keg and a dozen Bottles

of Cider. This was found to be a very fair article, and from the fact that it was manufactured here from dried apples, it is awarded

A Diploma.

CLASS XXIX.

CAKES, CONFECTIONERY, ETC.

Judges:

JOHN P. CORRIGAN,
WM. W. RUSSELL, A. J. GUNNISON,
H. CHANNING BEALS.

The nice things in this department were thoroughly tested by the judges; and, having abundant confidence in their own skill and judgment concerning articles where *good taste* is required, the following awards are presented.

444. G. MITCHLER, *San Francisco*. Cakes and Confectionery. A great variety, among which the Fruit Cake was particularly fine. The cake itself was excellent, and the frosting and ornamental sugar work upon it displayed exceeding skill. To this and to his beautiful vases of Fruits and Flowers, manufactured from sugar, is awarded
A Diploma.

573. BOND & Co., *San Francisco*. Cakes and Confectionery. A large assortment, among which the Fruit Cake was the finest, and to this is awarded
A Bronze Medal.

532. M. L. WINN, *San Francisco*. Cakes and Confectionery. Among these was a very large Fruit Cake, beautifully frosted and ornamented with a "Temple of Love" in sugar, but the cake itself was inferior to those preceding. There was also a monument in sugar, exhibiting considerable skill, but it too was surpassed by other sugar ornaments presented. To both these are awarded

A Certificate of Merit.

734. J. D'ARCY, *San Francisco*. Cakes. A considerable variety, of good appearance and fair quality.

481. WM. SCHAD, *San Francisco*. A Bee-Hive, of Cake and Sugar. Very handsome, and exhibiting skill in his vocation.

533. A. W. PIPER, *San Francisco*. Ornamental piece of Sugar Work. This was a very spirited and life-like representation, in sugar, of three native Californians on horseback, in the act of lassoing a grizzly bear. It was really a work of art, and is entitled to

A Diploma.

846. G. TYEL, *San Francisco*. Ornamental Sugar Work. "Columbus discovering America" and other pieces, very creditably done, and worthy

A Bronze Medal.

912. J. & W. PEARSON, *San Francisco*. Candies, &c. A great variety and of excellent quality; as good and as handsomely put up as any of the famous Stuart's candies.

A Diploma.

496. MERCER & BERNHEIM, *San Francisco*. Candies, &c. A very handsome assortment, considered worthy

A Bronze Medal.

CLASS XXX.

IRON, BRASS, AND TIN WORK, HARDWARE, CASTINGS, ETC.

Judges.

SAMUEL A. CHAPIN,

L. B. BENCHLEY,

JAMES ROOT,

J. W. BRITTAN,

P. T. SOUTHWORTH,

JOHN R. SIMS,

J. Y. HALLOCK.

The judges appointed to examine the various articles exhibited under this head, have performed that duty, and present the following:

281. AUBERLEN & EGGERT, *San Francisco*. A Fire and Burglar Proof Safe. Manufactured by themselves, and reflecting great credit upon their skill. It is provided with a powder-proof, alarm, combination lock, and is considered worthy

A Diploma.

913. TILTON & McFARLAND, *San Francisco*. A Salamander Safe. A highly finished article, imported.

914. SIMS & FRAZER, *San Francisco*. A Vault Door. This was made for the vault of the City Hall, and the workmanship of the door, and of the lock pertaining to it, recommend it for

A Diploma.

612. J. C. AYRES, *San Francisco*. Locks, Bells, and Brass Work. A fine assortment, among which the bank, vault, and other locks, are considered as deserving

A Diploma.

12. T. C. PLOTZ, *Stockton*. A Bank Lock. Apparently of ingenious construction; but there being no one present to explain its mysterious operation, at the risk of doing injustice to its merits, perhaps, it is awarded

A Bronze Medal.

648. JAMES BELL, *San Francisco*. A Bank Lock. Represented as being the first article of the kind manufactured in California. It was made in 1849, and, considering the lack of facilities for such productions at that early period, is a very creditable piece of workmanship.

915. G. & W. SNOOK, *San Francisco*. Tin Ware. A great variety, well made, and handsomely finished.

A Diploma.

572. B. LE CLERC, *San Francisco*. A Cooking Range. Very large, and admirably contrived to accomplish a great deal of cooking with comparatively little expenditure of fuel. These ranges have been in use during the past two years in several of the principal hotels of this city, and their merits have been sufficiently well tested to entitle them to

A Diploma.

30. J. GANGLOFF, *San Francisco*. Stoves, Pipe, &c. Of great merit, and entitled to

A Diploma.

406. J. DE LA MONTANYA & BRO., *San Francisco*. An Air-Tight Stove. This possesses some originality, having glass pendants, and a reflector in the top; and its beauty of appearance, and the novelty of its appendages, induce the judges to award it

A Diploma.

329. O. J. BACKUS, *San Francisco*. Cooking Stoves and Copper Furniture. The stoves were imported. The furniture was made by themselves, and deserves

A Diploma.

405. WM. MCKIBBIN, *San Francisco*. A Model of an Iron Bridge, and specimens of Iron Railing. The bridge seems to combine great strength with simplicity and facility of construction; and the railings are good specimens of work. To both is awarded *A Diploma*.

174. W. F. CAMP, *San Francisco*. Hand Saws. Several of these were exhibited, which are considered quite as good as any imported. *A Diploma*.

703. H. A. FOX, *San Francisco*. A Meat Chopper. A new invention, and possessing singular merit. It is awarded *A Diploma*.

617. ALBERT CAMP, *San Francisco*. A Copper Box. Made from one sheet of copper, without seams or joints, and evidencing much but useless ingenuity.

312. W. ALDRICH, *Oakland*. A Gopher Trap. Ingeniously constructed, and well adapted to captivate the gophers. *A Diploma*.

596. JOHN STRONG, *San Francisco*. A Gopher Trap.

49. CLAUDE LONG, *San Francisco*. A Case of Hardware. Imported.

597. W. BOFER & Co., *San Francisco*. A Case of Hardware. Imported.

CLASS XXXI.

SPECIMENS OF GOLD, SILVER, COPPER, COAL, AND OTHER MINERALS, AND OF BIRDS, SHELLS, ETC.

Judges :

LOUIS BLANDING,

J. H. SNYDER, JOHN HUESTON.

AUG. HUMBERT, F. D. KOHLER.

The specimens of auriferous rock, including quartz, talc, &c., on exhibition, are very numerous, and embrace ores from many and dis-

tant localities in the State. Most of these show free gold, while in others no free gold is visible, but a large proportion of sulphurets of iron containing gold is presented. These sulphurets vary much in value, yielding, as accurate experiments in this country and in Europe have demonstrated, from \$200 to \$2500 to the ton of rock, though cases are sometimes found where no gold is given. To render these valuable, some cheap and expeditious mode of extracting the precious deposit is now needed, and he who makes this discovery, will not only enrich himself, but will developé incalculable sources of wealth to the State, now hidden in the chemical combinations of the great laboratory of nature.

It has been impossible for the judges to specify any particular specimens of gold-bearing rock, or any mines whence they came, as entitled to premiums—so varied and numerous are the specimens, and so nice and protracted would be the assays required to determine their comparative values. They therefore will only notice briefly one or two collections which were presented.

344. J. B. TRASK, *San Francisco*. Six Cases of Mineralogical Specimens. These contain, among other things, more than a hundred specimens of gold-bearing quartz, obtained from some thirty different mines in California. They of course vary greatly in richness, but the yield of the several veins, whence they were taken, during the past three years, exhibits an average value of about \$23 to the ton. For the beauty of the specimens and the care with which they have been collected and arranged, there is awarded *A Diploma*.

579. WASS, UZNAY, & WARWICK, *San Francisco*. A Cabinet of Mineralogical Specimens. This contains a great variety of fine specimens of gold, silver, copper, and other valuable ores, collected in California and elsewhere; and as it is believed to be the largest and richest miscellaneous collection of the kind in the State, it is awarded *A Diploma*.

662. JOHN WARWICK, *San Francisco*. A Show-case of Gold, Silver, Copper, &c. In this was exhibited, from the assaying house of Wass, Uznay, & Warwick, the several metals in a pure state, as from the hands of the refiner. The collection was one of the most attractive features of the exhibition, and reflected great credit upon the exhibitor. For skill in refining the precious metals, there is awarded to Mr. Warwick *A Diploma*.

600. COOPER & KIMBALL, *Moccasin Creek*. Eleven Sacks of Gold-Bearing Quartz. Of fair richness, it having been pulverized by the Toggle-Joint Crushing Machine, which was in operation during the Exhibition.

91. CHAS. D. POSTEN, *Gadsden Purchase*. Specimens of Silver Ore. These were the only ones presented, and are from the mine at Tubac, in the territory lately acquired from Mexico under the Gadsden Treaty. This one produces, as an accurate assay has shown, \$8,735.20 to the ton. Though not a production of California, it is interesting, as coming from a neighboring territory now belonging to our own people, and as exhibiting the prospective value of that acquisition in a mineralogical point of view. *A Diploma.*

916. ARIZONA COPPER MINING CO., *San Francisco*. Specimens of Copper Ore. A variety of large and rich specimens, from the Arizona mines, in the Gadsden Purchase, exhibiting red and black oxides, gray sulphurets, and blue carbonates or malachite. The average yield of these specimens is about seventy-five per cent.; and it is averred that the average yield of the ore, as sent to market from these mines, is not less than sixty per cent. The weight and richness of these ores entitle them to especial notice; and for the same reasons given in regard to the silver ore mentioned in the preceding paragraph, they being the finest specimens presented, there is awarded to them

A Diploma.

917. ————. Specimens of Copper Ore. These are from the mines of Moyamique, in Sinaloa, Mexico, and present a red oxide yielding about sixty-five per cent., and a singularly beautiful atacamite, or chloride of copper, yielding about sixty-three per cent.

15. C. J. EATON, *Hope Valley*. Specimens of Copper Ore. These are from the Hope Valley mine, in El Dorado County, and are the only ones presented from within the boundaries of our own State. The ore is that known as the yellow sulphuret, and it yields about 25 per cent. of copper. The specimens exhibited are of large size, and indicate a heavy vein or deposit. Another copper mine has quite recently been discovered on the Cosumnes River, and the specimens which have been shown to the judges, though not on exhibition, yield about 45 per cent.

684. J. A. SHARB, *Carson Valley*. Specimens of Copper Ore. It is not known to the judges what amount these specimens yield.

129. JAMES NEAL, *Placer Co.* Specimens of Iron Ore, Marble, and Limestone.

22. RICHARDS & BRO., *San Francisco.* Specimens of Coal. A large mass from Coose Bay, Oregon Territory.

152. R. L. ROBERTSON & Co., *San Francisco.* Specimens of Coal. From Alameda County, California, and from Bellingham Bay, Washington Territory. The first are from a recently discovered vein; and, though of small size, as they present a good lustre and coal fracture, the hope is excited that upon deeper penetration, both quantity and quality will be improved. The last are of large size, good lustre, and much value, as has been shown by careful analysis and several years' experience of their use in this State.

131. DOYLE & ANDERSON, *San Francisco.* Specimens of Coal. Also from Bellingham Bay, and the same as mentioned above.

602. D. HOWARD, *Alameda County.* Specimens of Coal. From the same vein in that county before noticed.

539. JAS. FINDLA & Co., *San Francisco.* Specimens of Coal. From Coose Bay and Bellingham Bay. Same as before noticed.

830. L. C. HAMMOND, *Butte County.* Specimens of Coal. From a vein recently opened in that county.

717. E. N. BREED, *San Francisco.* Specimens of Coal. These are large and fine specimens of lignite, taken from a tunnel one hundred feet in depth, on the ocean beach, about seven miles from San Francisco. They yield a good heat for domestic and culinary purposes, and the vein is said to grow wider and more dense as the work progresses.

44. W. O. AYRES, *San Francisco.* A Case of Borax. These specimens of native crystals of borax are from Alkali Lake, near Clear Lake, in Napa County, belonging to the California Borax Company. They are of great size and purity, and exceed in value even the celebrated borax of Tuscany. The lake yields an inexhaustible supply, and the discovery of its valuable contents was made by Dr. Veatch.

A Diploma.

165. W. P. EWING, *Napa County.* Specimens of Sulphur. Crystals and Flor Sulphur, from the famous Geysers in that county.

109. F. GRUBER, *San Francisco*. A Case of Stuffed Birds. A variety of specimens, both native and foreign, beautifully prepared, and the best collection exhibited. *A Diploma.*

151. FRANCIS MCKENNA, *San Francisco*. A Case of Stuffed Birds. These specimens are of fine plumage, and are also well prepared. *A Bronze Medal.*

142. H. P. CARLTON, *San Francisco*. A Stand of Stuffed Birds. Very pretty, and well preserved. *A Certificate of Merit.*

514. L. W. SLOAT, *San Francisco*. A Cabinet of Shells. Containing about four hundred varieties, from all parts of the world, all perfect, and beautifully kept. This is probably the largest and finest collection in the State. *A Diploma.*

107. A. MCPHERSON, *San Francisco*. A Case of Shells. Containing about fifty specimens, well selected and prepared. *A Bronze Medal.*

CLASS XXXII.

PRINTING, BOOK-BINDING, STATIONERY, FANCY MOROCCO, PAPER BOXES, STEREOTYPING, AND STENCIL CUTTING.

Judges :

JAMES LINEN,

WM. F. HERRICK,

T. RODGERS JOHNSON,

E. W. BOURNE,

THOMAS O. LARKIN,

H. H. MOORE,

ALEX. G. ABELL.

865. WHITTON, TOWNE & Co., *San Francisco*. Book and Ornamental Card Printing. The best specimens exhibited. *A Diploma.*

825. AGNEW & DEFFEBACH, *San Francisco*. Ornamental Card Printing. A very beautiful specimen of illuminated work. *A Bronze Medal.*

918. F. MACCRELLISH & Co., *San Francisco*. Ornamental Printing. A copy of the "Alta California" newspaper printed on satin, and exceedingly well done. *A Certificate of Merit.*

919. R. C. MOORE & Co., *San Francisco*. Ornamental Printing. A very creditable specimen of work, on velvet.

761. C. F. ROBBINS, *San Francisco*. Crystal Card Printing. Beautifully executed, and deserving especial notice. Mr. Robbins is also entitled to much credit for his neat and tasteful issue, daily during the Exhibition, of a small newspaper, appropriately entitled "The Mirror of the Fair." *A Diploma.*

713. J. McGLASHAN & Co., *San Francisco*. Book-Binding and Paper-Ruling. An Album bound in ancient style, which, had the design on the leather been as good as the workmanship, would have been creditable to any bindery in the world. Also, a Royal Leger, mitred, containing eight quires. For beauty of mitred ruling, this would be difficult to surpass. The ornamental gilding on the Russia leather is solid and bright, and the design is chaste and beautiful. To it is awarded *A Diploma.*

171. J. J. LECOUNT, *San Francisco*. Book-Binding and Paper-ruling. A complete set of commercial books, the elegant ruling and binding of which reflects the greatest credit upon the mechanical department of his well-known establishment. More elaborate work has been seen by the judges at exhibitions in the Eastern States, but they have rarely, if ever, seen a specimen so perfectly executed in all its details. *A Bronze Medal.*

643. BURKE & KELLOGG, *San Francisco*. A case of Stereotypes and Electrotypes. Fine specimens of the art, and worthy *A Diploma.*

780. W. F. RITCHIE, *San Francisco*. Specimens of Electrotyping. Very well done.

486. L. BREIDENSTEIN, *San Francisco*. Morocco and Paper Boxes. Well and handsomely made. *A Diploma.*

754. J. F. HALL, *San Francisco*. Stencil Plates and specimens of Stencil Cutting. Exhibiting great beauty and much skill in the art. *A Diploma.*

CLASS XXXIII.

ENGRAVING, CAMEO CUTTING; GOLD, SILVER, AND PLATED
WARE; CLOCKS, WATCHES, JEWELRY, ETC.

Judges:

WILLIAM HOOPER,
JOSEPH MCGREGOR, JOHN MIDDLETON,
PHILO WHITE, N. C. LANE.

571. W. E. GOLDSMITH, *San Francisco*. Engravings on Copper. The specimens of card and other engravings exhibited were the best offered, and displayed such artistic skill as well entitled them to

A Diploma.

265. B. CARSON, *San Francisco*. Engravings on Copper. Some very handsome specimens of card engraving, deserving

A Bronze Medal.

855. F. C. M. FENN, *San Francisco*. Engravings on Copper. A great number of specimens of card engraving, tolerably well done.

A Certificate of Merit.

459, 646. HARRISON EASTMAN, *San Francisco*. Engravings on Wood. A variety of specimens, some of which are remarkably well executed, and well deserve

A Diploma.

551. W. C. BUTLER, *San Francisco*. Engravings on Wood. Some of these, too, were beautifully done, and were but little inferior to those preceding.

A Bronze Medal.

39. D. VAN VLECK, *San Francisco*. Engravings on Wood. Very fair, but with the exception of one or two, which were remarkably good, inferior to those preceding.

A Certificate of Merit.

494. HUTCHINGS & ROSENFELD, *San Francisco*. Engravings on Wood.

622. W. F. HERRICK, *San Francisco*. Engravings on Wood.

675. T. C. BOYD, *San Francisco*. Engravings on Wood.

497. ALBERT KUNER, *San Francisco*. Seal Engraving. A large number of impressions from seals cut in brass for courts, notaries, and other official purposes, considered as a whole the best presented.

A Diploma.

488. J. B. BANNERMAN, *San Francisco*. Seal Engraving. A few specimens which were very well done, though scarcely equal to those of Mr. Kuner. His attention appears to have been more directed to the engraving of embossed cards, and the great number of finely executed specimens of these presented, give ample evidence of his skill in that branch of his art.

A Bronze Medal.

593. ALEX. ZAKRESKI, *San Francisco*. Medallion Engraving. Two fine specimens on silver, beautifully and artistically done, and well meriting

A Diploma.

420. P. MEZZARA, *San Francisco*. Cameos. Several specimens of cameo cutting, exquisitely executed, which deservedly attracted much admiration.

A Diploma.

415. BRAVERMAN & LEVY, *San Francisco*. A Gold Goblet. A beautiful piece of workmanship, and most creditable to the manufacturers.

A Diploma.

209. WM. LAWLER, *San Francisco*. Gold, Silver, and Enamelled work. A number of specimens, among which the silver articles are considered as entitled to

A Diploma.

431. C. HENDRICK, *San Francisco*. Gold and Silver Work. Three cases of spoons, knives, and forks, of gold and silver, all very well done.

A Bronze Medal.

749. G. E. HIGGINS, *San Francisco*. Gold Pens. These are well finished and very excellent articles, and they appear to be manufactured from gold of greater fineness than that used ordinarily for this purpose. Mr. Higgins deserves favorable mention for the introduction of this branch of art in California.

A Diploma.

409. I. S. JOSEPHI, *San Francisco*. Gold Pens. Imported.

751. EAKIN & Co., *San Francisco*. Silver Ware. A variety of articles, imported.

243. O. B. OAKLEY & Co., *San Francisco*. Plated Ware. A

number of specimens, exhibiting much skill and good workmanship.

A Diploma.

834. LUEDKE & HAMMES, *San Francisco*. An Electrical Clock. (Noticed in Report No. 18.)

50. SPERRY & Co., *San Francisco*. A large Tower Clock. This, though an imported article, properly demands some notice. It was erected in the Pavilion, and its sonorous bell gave notice of the passing hours to those assembled at the Exhibition. It was a fine piece of workmanship, and the thanks of the Institute are due to its enterprising exhibitors, for this important addition to the prominent features of the occasion.

A Certificate of Merit.

116. P. A. GIANNINI, *San Francisco*. Watch Cases. These are manufactured from California gold, and one of them in particular was a very beautiful specimen of workmanship.

A Diploma.

731. BARRETT & SHERWOOD, *San Francisco*. Watch Cases and Jewelry. The last, manufactured from gold-bearing quartz, from Marble Springs, and pearls from Lower California, deserve especial notice; and for the fine cutting and polishing of the quartz, and the beautiful finish of the jewelry made from it, there is awarded

A Diploma.

528. A. DUBOIS & Co., *San Francisco*. Jewelry. Also, some fine specimens of quartz manufacture, which are deemed worthy

A Bronze Medal.

678. JOSEPH, BROS., *San Francisco*. Diamond Setting. Among many articles of jewelry exhibited by them, were several specimens of their own work in this respect, which exhibited much taste and skill, and are considered entitled to

A Diploma.

536. CHAS. THIERRY, *San Francisco*. Masonic Jewels. The most beautiful work of the kind in silver which the judges have ever seen.

A Diploma.

CLASS XXXIV.

BRASS WORK, PLUMBING, AND METAL ROOFING.

Judges :

J. E. JORGENSEN,
 JOSEPH S. PAXSON, J. M. ECKFELDT,
 E. S. GRAVES, N. B. DILHORN,
 JOHN KEHOE.

Having carefully examined the articles exhibited in this department, the judges note with pleasure the rapid progress which has been made in this branch of industry in our city.

71. GARRATT & GREENBERG, *San Francisco*. Brass Work. A show-case containing oil-cups, steam-whistles, nozzles, gauge cocks, &c., all well made and highly finished. Decidedly the best exhibited.

A Diploma.

612. J. C. AYRES, *San Francisco*. Brass Work. A show-case containing gongs for steamboats, large water-cocks, torches, hose pipes, gauge-cocks, oil-cups, &c., of very creditable workmanship.

A Bronze Medal.

498. THOS. H. SELBY & Co., *San Francisco*. Brass Work. A show-case containing a very handsome display of imported brass ware.

356. JAMES MCGOVERN, *San Francisco*. Brass Castings. A number of these in the rough, of so good quality as to deserve

A Diploma.

42. JOHN D. WITZELL, *San Francisco*. Large Hose Pipes. One of brass, the other of copper, both very good specimens of workmanship, and worthy

A Diploma.

854. BRYANT & Co., *San Francisco*. Hose Pipes. These are for hydraulic mining, and seem well adapted for the purpose intended.

104. J. G. GIMMY, *San Francisco*. A Brass Coffee-Pot. Very well made, out of a solid piece of metal. *A Certificate of Merit,*

651. JOHN ROBINETT, *San Francisco*. Plumbers' Work. A great variety, of the very best description. The neatness and workmanlike appearance it presents is worthy of the highest praise, and is awarded
A Diploma.

30. F. L. GANGLOFF, *San Francisco*. Specimen of Zinc Roofing. A good piece of workmanship.
A Diploma.

937. D. C. KONE, *San Francisco*. Specimen of Tin Roofing. Equally creditable.
A Diploma.

CLASS XXXV.

WIND-MILLS AND PUMPS.

Judges.

JOHN M. ECKFELDT,	
M. R. ROBERTS,	N. C. LANE,
J. DEVOE,	JOHN CENTER.

The display in this class was quite large, and very creditable to the exhibitors. It included several wind-mills of full size, and a number of models; and pumps of nearly every standard pattern of the day.

694. JAMES B. JOHNSON, *San Francisco*. A Wind-Mill. This is of his own invention, and a full-sized one was placed in the vacant lot adjoining the Pavilion of the Exhibition, in such a manner that its practical operation could be fully tested. Its construction is peculiar. Its velocity is self-regulated by means of a governor attached to an independent set of fans, which at the proper times counterbalance the action of the wind upon the principal fans, and thus secure an undeviating regularity of motion. It is by far the best wind-mill for the purposes intended that the judges have ever seen, and as it is a California invention, it is awarded
A Silver Medal.

658. JOHN LOCHHEAD, *San Francisco*. A Wind-Mill. This also is self-regulating, and possesses much merit. It is considered worthy
A Bronze Medal.

26. J. A. DANIELS, *Stockton*. A Wind-Mill. This was a rotary mill, of sufficient power to work an ordinary hand-pump, very simple in its construction, and possessing much merit when its comparatively small cost is taken into consideration.

403. H. O. GAYLORD, *San Francisco*. A Model of a Wind-Mill. This was presented in behalf of F. G. Johnson, of Brooklyn, N. Y., the inventor. It is self-regulating, the regulating power being sundry metallic balls attached to spiral springs, which, by a centrifugal force, are made to act upon the fans in such a manner as to change the surface presented to the wind, and thus equalize the velocity.

386. JOHN HUDSON, *San Francisco*. A Copper Pump. This is an invention of his own, and is considered vastly superior to any other on exhibition. It is of great power, and it is rendered peculiar by the number and situation of its valves. Yet it is constructed in a manner most durable, and is not liable to get out of order. It is deemed worthy
A Silver Medal.

275. J. S. PAXSON, *San Francisco*. Pumps. A large number of single, double, and quadruple action pumps, imported. Well made and finely finished.

498. THOS. H. SELBY & Co., *San Francisco*. Pumps. A fine lot, of good workmanship and great power. Imported.

CLASS XXXVI.

PAINTINGS, DRAWINGS, SCULPTURE AND MARBLE WORK.

Judges:

ARTHUR B. STOUT, M. D.
J. P. HAVEN, THEO. A. BERRY,
A. G. ABELL, H. A. COBB,
SILAS SELLECK.

The judges have been in attendance at the Exhibition much of the time since their appointment, and, though laboring under many disad-

vantages, have endeavored to examine as thoroughly as their abilities would permit, the many specimens of artistic skill presented in this department. The following is the result of their labors:

920. W. S. JEWETT, *San Francisco*. Portraits in Oil. Several pictures are presented, most of which are showy, conspicuous productions, betokening more of that regard for display, which perhaps the times demand, than love of the art. An exception, however is found in the portrait of Dr. J. M. McNulty, which is not only a most faithful likeness, but a fine work of art; and to this, as the best portrait exhibited, is awarded
A Diploma.

176. THOMAS S. OFFICER, *San Francisco*. Portraits in Oil. The pictures of this gentleman, giving evidence of great artistic ability and skill, would warrant the judges in placing them in the front rank of portrait-paintings in the Exhibition. Yet on this occasion he has displayed pictures inferior to his former works. His portrait of the Rev. Mr. Cutler is considered the second in merit presented, and it is awarded
A Bronze Medal.

252. S. W. SHAW, *San Francisco*. Portraits in Oil. The works of this artist lack animation and force in drawing, but in point of truthfulness and excellence as likenesses, the portraits of Gen. Wool and Maj. Roman are inferior to none in the Exhibition. To the last named of these is also awarded
A Diploma.

163. C. NAHL, *San Francisco*. Portraits in Oil. These, notwithstanding their richness of coloring and beauty of drawing, comprising so many of the minutiae and difficulties of the art, fail in the grand requisite of animated and life-like portraits. His likenesses, though easily recognized, are stiff and rigid. One of his pictures—a little boy, full length, with straw hat in hand—is very well done, and chiefly because its modesty of coloring distinguishes it from his generally too highly flushed painting. His drapery and still life, however, are considered by the judges as far superior to any thing of the kind presented, and as a draughtsman he is believed to have no superior in California. For these there is awarded
A Diploma.

368. THOMAS DONNELLY, *San Francisco*. A Portrait in Oil. This was a portrait of Dr. Randall, and merits consideration. Its fine finish rendered it especially attractive.

195. ALEX. EDOUART, *San Francisco*. Portraits in Oil. One of these, that of an old gentleman, is remarkably fine. The flesh color, the moulding up of the features, the position and drawing of the hands, deserve the highest praise. Having been painted in Rome, however, it could not be entered in the competition for premiums; yet the judges take the occasion to congratulate the public that the artist now resides among us.

136. MRS. A. T. OAKES, *San Francisco*. Landscapes in Oil. There are but few of this class of pictures on exhibition. The luxuries of painting can only follow the introduction of wealth-creating improvements, and it cannot be expected that at this epoch of the development of arts in California, the talents of artists in this class will be duly encouraged. Six pieces are presented by this lady. Among them, two, called "Night" and "Morning," are the best in the Exhibition. They are rather cool, but their perspective and general effect are fine.

A Diploma.

175. CHAS. D. SHED, *San Francisco*. Landscape in Oil. A charming view of the lake near the White Sulphur Springs in Napa County. This is beautifully drawn and artistically managed, but is somewhat deficient in coloring. To it is awarded *A Bronze Medal.*

921. C. NAHL, *San Francisco*. Landscape in Oil. A souvenir of one of our conflagrations, and admirably exact. The burning of several storeships, with a view of the eastern portion of the city, will recall to many the sad disasters of our early history.

— AN AMATEUR, *San Francisco*. Landscape in Oil. The steamer "Senator" winding her way among the abrupt curves of the Sacramento. An excellent portraiture of the scenery on the river, and exhibiting a fine water effect.

920. W. S. JEWETT, *San Francisco*. Landscape in Oil. This, done early in 1850, and conspicuous in the collection, presents a subject peculiarly interesting to Californians. It represents Capt. Grayson and his family upon the summit of the Sierra Nevada, when just emerging from the wilderness and for the first time viewing the plains and mountains of California. The early pioneer has surmounted the perils of his arduous journey, and, feeling that his family is safe and his object attained, calmly and joyfully surveys the scene. The portraits are good, the landscape is Californian, and the compo-

sition, representing the high idea of the progress of civilization westward, will render this picture one of ever increasing value in the history of the arts in California. It is the only one in the Exhibition which combines the portrait and landscape with historic composition, and it should ever elicit high praise for the pioneer painter of San Francisco.

364. C. E. LANG, *San Francisco*. Three Fruit Pieces in Oil. One of these, a bunch of grapes, is excellent. The fruit is tastefully placed, and the coloring, in its transparency, is singularly happy.

A Diploma.

294. D. D. NEAL, *San Francisco*. A Marine Picture in Oil. This is by a young artist, but eighteen years old, representing the stranding of a noble vessel off North Beach. It is well done, and full of animation.

A Diploma.

922. — LESZINSKI, *San Francisco*. Madonna and Child. This little work of beauty is an imitation of ancient paneling. The faces and hands are elegantly executed, while the golden background renders the panel suitable to the highly decorated finishings of ancient churches.

29. MRS. M. WERTHEIMER, *San Francisco*. Two Oil Paintings. Excelling in perspective.

34. MRS. J. E. BENTON, *San Francisco*. An Oil Painting. "Indian Vespers."

381. J. G. ARMOR, *San Francisco*. An Oil Painting. "Still Life."

734. J. D'ARCY, *San Francisco*. Three Oil Paintings.

774. JOHN MURDOCK, *San Francisco*. An Oil Painting.

Some apparently excellent works in oil were placed almost out of the reach of the eye, and thus it is possible that justice may not have been done them by the judges. It was a source of annoyance, too, that little patches of paper, marked with names or numbers, were pasted upon many of the pictures. These distracted and interrupted their study; often presenting patches of white, brighter than any of the high lights in the pieces.

Before leaving the oil paintings, the judges desire to notice several admirable productions of artists not residents of this State.

A portrait of Mr. Banks, late Speaker of the House of Representatives, by Wm. Sharp, of Boston, is one of the best heads in the Exhibition.

No painting in the collection excels, in exquisite delicacy of color and shading, the miniature of "A Lady," by E. D. E. Greene, of New York. It is a gem to be remembered.

A fine head, by H. P. Gray, of New York, is another small picture which does honor to the talent of the artist.

Two animated landscapes, by J. H. Dunnell—one, of the Catskills, the other an original composition—are worthy of study.

Two paintings of still life, cattle scenes, by Hinckley, will give great pleasure to lovers of that style of the art.

459. H. EASTMAN, *San Francisco*. Paintings in Water Colors. Several beautiful pieces. Among them, "A Scene in Montgomery Street in 1851" is considered the best exhibited in the gallery. "Cox" himself would praise the little gem. *A Diploma.*

55. MISSES EMMA AND JULIA LUDLUM, *San Francisco*. Paintings of Flowers. The fine and delicate tracery of ladies' hands is every where visible and flowers abound throughout the hall. The words "California Flowers," of which each letter is gracefully and ingeniously composed of some lovely flower or vine, indicates the skill and cultivated taste of the artist; while the single specimens of our wild California flora appear to live with all the freshness of the originals. A wreath is also most delicately woven. To each of these young ladies is awarded *A Certificate of Merit.*

652. MISS A. E. SANDFORD, *San Francisco*. Paintings of Flowers. A bouquet of roses and tulips is finely executed. The proficiency of this young lady, formerly a pupil of Mrs. Benton, betokens the admirable accomplishment of her artistic teacher. *A Certificate of Merit.*

86. MISS E. KENNEDY, *San Francisco*. Paintings in Water Colors. Among them a charming sketch, in which the perspective and coloring are admirably managed. *A Certificate of Merit.*

921. C. NAHL, *San Francisco*. Drawings in India Ink. These are very beautiful, and in the stippling, or finish, are far superior to any of the kind exhibited. *A Diploma.*

923. ——— WENDEROTH, *San Francisco*. Drawings in India Ink. A family group of peculiarly striking likenesses, beautifully finished, which attracted general admiration.

436. MISS M. KENNEDY, *San Francisco*. A Sketch in India Ink.

208. LEWIS TASHEIRA, *San Francisco*. A Crayon Drawing. This is a copy from an English engraving, by a youth of thirteen, and displays unusual talent. To encourage him in a career in which he promises so well, he is recommended for *A Diploma*.

120. FRANK FOWLER, *San Francisco*. A Crayon Drawing. Very fair.

200. MISS M. VAN HOUTEN, *San Francisco*. A Crayon Sketch, and a Painting.

———. ————. Drawing in Pastille. Head of a Lady with light brown curls, beautifully done.

4. JOHN TODD, *Sacramento*. Six Landscape Drawings in pencil.

27. R. F. CLARK, *San Francisco*. A Pencil Sketch.

134. MISS R. PAUL, *San Francisco*. Two Landscape Drawings.

753. IRA P. RANKIN, *San Francisco*. Sketches with a Poker. These two remarkable curiosities of art, by Ball Hughes, of Boston, are heads of Shakspeare and Webster, most skillfully done on pieces of boards with a hot poker! The first suits perfectly our acquired association of the features of the great dramatist; while the last is a better likeness, and possesses more easy and natural force of expression, than any portrait in the Institute. It is a splendid effect of "draw-poker."

35. A. PALTINGHI, *San Francisco*. A Bust of Washington, in Benicia Freestone. This is beautifully done, and ranks high among works of this class. *A Diploma*.

420. P. MEZZARA, *San Francisco*. A Bust and two Medallions in Plaster. In these attention seems to have been given principally to

the dressing of the hair, though in one of them the hand and arm are finely moulded.

This artist also presents several cameos, exquisitely executed, and worthy of especial notice. For these *A Diploma.*

924. LOUIS S. BACON, *San Francisco*. A Statue of La Fayette, in Plaster. This is probably the largest work of the kind which has been attempted in this State. It has evidently been done in haste; yet, though it has the disadvantage of not being completely finished, and is defective in many particulars, it bears the impress of fine artistic talent. The head is an excellent casting, and exhibits the lofty and generous expression we should look for in the face of La Fayette.

A Diploma.

191. F. W. JACKSON, *San Francisco*. A Medallion in Red Wax. Very handsomely executed. *A Diploma.*

There is some marble statuary from abroad which might serve to decorate gardens, if seen at ample distance. But the fine fountain and reservoir of marble which decorated the centre of the Pavilion, was one of those productions which will ever be welcome among us.

706. CHARLES OSTNER, *San Francisco*. A Marble Fountain. Exceedingly well done and deserving high commendation. He also presents a small statue of Capt. Sutter in California Marble.

A Diploma.

439. JOHN GRANT, *San Francisco*. A Marble Mantel. A fine piece of workmanship, and deserving *A Diploma.*

925. P. W. STERLING, *San Francisco*. A Marble Mantel. Well done also. *A Bronze Medal.*

63. L. BURNS, *San Francisco*. A Slab of Marble. This is from a newly discovered quarry at Suisun. It is singularly colored and of rare variety, much resembling that found in a cave of the rock of Gibraltar, though this is procured in blocks of great size. It is very beautiful and is susceptible of the highest polish, and, if it proves durable, cannot fail to become highly prized.

In conclusion, the judges take the occasion to express their surprise and gratification at the rapid strides which the fine arts have made in our infant city, and their pleasure at the appreciative spirit of its citizens, without whose encouragement no elegant art would flourish.

Since Jewett's work in 1850, only seven years have elapsed, and already so many worthy productions cover the walls of the Exhibition that they have been compelled to pass in silence many an aspirant's deserving efforts. There can no longer be a doubt that the State possesses an abundance of artistic talent, yearning to evolve itself, and fertile as our soil, which only awaits the cultivating hand of taste and wealth to foster and promote its growth.

CLASS XXXVII.

WORSTED WORK.

Judges :

MISS MARY S. PAGE,
 MRS. M. S. TORRENCE, MRS. C. STAGG,
 MISS A. E. SANDFORD, MRS. FRANCES UZNAY,
 MRS. M. P. BENTON.

The many articles in this class have been carefully examined by the judges, and they take pleasure in reporting that, while there are not a few from abroad which are of great excellence, far the greater portion are from the hands of the women of our own State, and among these are many of superior merit.

407. MISS E. PELLIEUX, *San Francisco*. "Joseph before Pharaoh." A most beautiful specimen of needlework, and deemed worthy
A Diploma.

199. MISS A. SMITH, *San Francisco*. "Washington." Admirably done, and deserving
A Bronze Medal.

234. MISS EMILY PAUL, *San Francisco*. "King John signing Magna Charta." This was worked by a little girl not yet twelve years of age, and is awarded
A Certificate of Merit.

324. MISS A. SUÑOL, *San Francisco*. "Benjamin Franklin." A very meritorious piece of work, and entitled to
A Certificate of Merit.

742. MRS. B. ASPENHALL, *San Francisco*. "The Mated." A showy piece of work, possessing many fine points.
A Certificate of Merit.

372. MISS FRANCES BRIDGEWOOD, *San Francisco*. A large piece in a frame. Very handsomely worked.
A Certificate of Merit.

309. MISS HATTIE HORT, *San Francisco*. A Chair, and a piece in a frame. Both very beautifully executed.
A Certificate of Merit.

650. MRS. J. H. KENT, *San Francisco*. A Bunch of Flowers. A piece of work which has few superiors. *A Certificate of Merit.*

698. MRS. — AIMES, *Alameda*. Two Screens, upon Velvet. Finely done. *A Certificate of Merit.*

157. MISS A. HAMMES, *San Francisco*. A Cushion. Worthy of notice. *A Certificate of Merit.*

308. MISS JULIA HORT, *San Francisco*. A Chair. Prettily worked.

— MISS — READ, *San Francisco*. "The Flight into Egypt." Deserving much praise.

307. MRS. — HORT, *San Francisco*. "Moses." Done with much skill.

779. MRS. J. SHANNON, *San Francisco*. A Bunch of Flowers. Prettily executed.

840. MISS ANNIE K. RUSSELL, *San Francisco*. A Chair. Neatly worked.

301. MISS — LEVISON, *San Francisco*. A Portfolio. Ingeniously finished.

557. MRS. A. STEINERT, *San Francisco*. Two Cushions, a Turkish Scene on a large screen, and a piece in a frame. All beautifully done. *A Certificate of Merit.*

— MISS — DEMAS, *San Francisco*. "A Saint." Exhibiting much work and some good points,

849. MISS CATALINA VALENCIA, *San Francisco*. A Melodeon Cover. Showy, and very prettily done. *A Certificate of Merit.*

81. MRS. M. P. SMITH, *San Francisco*. A Piece in a Frame. Well finished.

221. MRS. A. P. GLOVER, *San Francisco*. An Ottoman.

379. MISS MARY J. LEE, *Alameda*. A Table Cover of Raised Work. Very handsomely done, and meriting for this style of work
A Diploma.

47. MRS. J. H. JOSSELYN, *San Francisco*. A Bunch of Flowers, in Raised Work. Beautifully done, and worthy
A Certificate of Merit.

627. MRS. A. W. HENDERSON, *San Francisco*. A Chair, in Raised Work. Well executed.
A Certificate of Merit.

808. MRS. FRANK WHEELER, *San Francisco*. Two Bunches of Flowers, in Raised Work. Finely done, but lacking somewhat in richness of color.
A Certificate of Merit.

430. MRS. J. B. LOVETT, *San Francisco*. Flowers in a Frame. Worthy of commendation.
A Certificate of Merit.

926. MRS. — HAMILTON, *San Francisco*. A Mat of Raised Work. Worked without a pattern.
A Certificate of Merit.

284. MRS. J. P. WHITNEY, *San Francisco*. A Lamp Stand of Raised Work. Very pretty.
A Certificate of Merit.

399. MRS. L. P. COLLINS, *Sacramento*. A Convolvulus Mat. Very beautifully worked.
A Certificate of Merit.

397. MISS MARY C. TORREY, *San Francisco*. A Convolvulus Mat. Prettily done.
A Certificate of Merit.

There are a great many other specimens of worsted work, but it was impossible to enumerate all, and those only have been mentioned which seemed most worthy of note.

CLASS XXXVIII.

AMBROTYPES AND PHOTOGRAPHS.

Judges :

H. S. BALDWIN,
 W. S. JEWETT, CHAS. NAHL,
 S. W. SHAW, V. HOFFMAN.

A large number of specimens in this class were presented, though the exhibitors were comparatively few; and the judges have great pleasure in expressing the opinion that in no city of the Union have finer evidences of the progress of these new arts ever been exhibited.

424. SILAS SELLECK, *San Francisco*. Ambrotypes. Considered the best specimens offered, and awarded *A Diploma*.

663. R. H. VANCE, *San Francisco*. Ambrotypes. These were believed to be the next in excellence, and they are recommended for *A Bronze Medal*.

353. C. F. HAMILTON, *San Francisco*. Ambrotypes. The third in merit. *A Certificate of Merit*.

663. R. H. VANCE, *San Francisco*. Photographs. This collection was the finest exhibited, and to it is awarded *A Diploma*.

556. G. H. JOHNSON, *San Francisco*. Photographs. These were adjudged to be the next in merit, and to them is given *A Bronze Medal*.

376. J. DECONCLOIS, *San Francisco*. Photographs, painted in Oil. The only ones presented where the photographer was also the painter. Well done, and deserving *A Diploma*.

CLASS XXXIX.

MACHINE SEWING, MILLINERY, DRESS-MAKING, AND
NEEDLEWORK.

Judges:

MRS. J. F. STIRLING,
MRS. C. V. GILLESPIE, MRS. WM. HOOPER,
MRS. A. MERRILL, MRS. ——— SMITH.

545. MRS. P. E. ROGERS, *San Francisco*. Specimens of Machine Sewing. This work was done with one of Grover, Baker & Co.'s machines, and the samples afforded every variety, from the finest and most delicate to the strongest and most substantial. It was considered the best, and is awarded
A Diploma.

244. J. H. DUNNELL, *San Francisco*. Specimens of Machine Sewing. These are by the machine of Singer & Co., and are all good samples. The coarser work is well and evenly done, and the embroidery and fine sewing are worthy of much commendation. To these is given
A Bronze Medal.

928. MADAME A. LE BLANC, *San Francisco*. A Show-case of Millinery. In this department of work there is a very great variety of really excellent work. So meritorious, indeed, is much of it, that it has been somewhat difficult to determine upon a preference. To this number, however, is assigned
A Diploma.

263. MADAME ——— CONSTANT, *San Francisco*. A Show-case of Millinery. Considered the next in excellence, and awarded
A Bronze Medal.

189. MADAME MARLET, *San Francisco*. A Show-case of Millinery. The third in merit, and deemed worthy
A Certificate of Merit.

283. MRS. SARAH MISH, *San Francisco*. A Case of Bonnets. Very stylishly made.

274. MRS. E. BLOCHMAN, *San Francisco*. A Case of Bonnets. Also very handsome.

419. MADAME MARIE BAZILLE, *San Francisco*. A Show-case of Millinery. Elegantly prepared, especially the head-dresses, for which is awarded *A Diploma*.

716. MRS. M. JOHANNING, *San Francisco*. A Case of Millinery. Well got up.

106. MRS. — KOWALSKY, *San Francisco*. Bonnets, &c. Fine work, and worthy of commendation.

490. MRS. E. J. SETH, *San Francisco*. A Show-case of Millinery. Handsomely done in all respects.

656. MRS. C. E. COLLINS, *San Francisco*. A Show-case of Millinery. Good also.

575. MRS. T. J. NEVINS, *Alameda*. A Lady's Hat. A new article made of "Southern Pine-leaf."

549. J. B. GOUX, *San Francisco*. Specimens of Dyeing. The only ones presented, and all well done. *A Diploma*.

855. MRS. G. W. GORDON, *San Francisco*. Dress-Making. The evening dress offered was the best specimen in this department exhibited. *A Diploma*.

266. MR. A. C. KORNFELD, *San Francisco*. Dress-Making. The second in merit. *A Bronze Medal*.

568. MRS. JANE M. DAVIS, *San Francisco*. Dress-making. Very fine work, and worthy *A Certificate of Merit*.

608. MISS D. KENNEDY, *San Francisco*. Embroidery. An opera cloak on cashmere, beautifully done, and deserving *A Diploma*.

721. MRS. — VAN LOAN, *San Francisco*. Embroidery. An infant's shawl on flannel. Very handsomely worked, and awarded *A Bronze Medal*.

722. MRS. — SNYDER, *San Francisco*. Embroidery. An infant's shawl on flannel. Quite equal to the one preceding, and therefore also given *A Bronze Medal*.

296. MRS. J. BENJAMIN, *San Francisco*. Embroidery. Children's garments, very tastefully done. *A Certificate of Merit.*

702. MRS. W. H. MOORE, *San Francisco*. A Pin Cushion embroidered on Satin. Worthy *A Diploma.*

718. MRS. D. ALEXANDER, *San Francisco*. A Satin Dress, embroidered. *A Bronze Medal.*

469. MRS. BENNET & KINMAN, *San Francisco*. A Child's embroidered Bonnet and Toilet Basket. Very pretty, and worthy *A Diploma.*

455. MRS. A. E. IRWIN, *San Francisco*. A Child's Dress, Lace Cap, &c. *A Bronze Medal.*

21. MRS. S. COPELAND, *San Francisco*. Transferred Work, with different kinds of Lace Stitch. Very beautifully done, and evincing great skill and patience. *A Diploma.*

627. MRS. A. W. HENDERSON, *San Francisco*. Wheelwork on Muslin. An embroidered skirt showing 250,000 stitches. *A Bronze Medal.*

321. MRS. C. DAVENPORT, *San Francisco*. Needlework. An embroidered muslin skirt of peculiar beauty. *A Diploma.*

640. MRS. A. CARLTON, *San Francisco*. A Fancy Pin Cushion. Very prettily done. *A Diploma.*

3. MRS. N. CHRISTIANSEN, *San Francisco*. A Crochet Counterpane. *A Diploma.*

96. MRS. D. KLUMPKE, *San Francisco*. A Crochet Bed Spread. *A Bronze Medal.*

1. MRS. — BRUBAKER, *San Francisco*. A "Star Quilt" of 16,800 pieces, and containing over half a million stitches. A remarkably fine article of the kind, and exhibiting a great deal of patient industry, which might perhaps have been more profitably employed.

719. MISS A. A. MIX, *San Francisco*. An Embroidered Handkerchief. Of great beauty.

The judges have only had time to enumerate a few of the very great number of articles in this class on exhibition. There are many others of great merit, and it is not to be considered as depreciatory of their excellence that they are not mentioned here. As a whole, the exhibition of needlework was as handsome a one as could probably be presented in any city of the United States.

CLASS XL.

WAX, HAIR, AND SHELL WORK; ARTIFICIAL FLOWERS, ETC.

Judges.

MRS. ANNA E. SANDFORD,
 MRS. M. P. COLE, MRS. C. M. KING,
 MRS. M. E. BEALS, MRS. M. S. TORRENCE,
 MRS. A. W. HENDERSON, MRS. L. D. WILLIAMS,
 MRS. A. E. THOMPSON.

930. MRS. C. A. KOHLER, *San Francisco*. Wax Figures. Superior to any thing of the kind on exhibition. *A Diploma.*

674. MRS. G. M. SMITH, *San Francisco*. Wax Fruits. These are copied from some of the fine fruits on exhibition, and are beautiful specimens of the art. *A Diploma.*

860. MISS ——— WARREN, *San Francisco*. Wax Fruits. The next in excellence. *A Bronze Medal.*

194. MRS. A. E. F. HOWELL, *San Francisco*. Wax Flowers. Approaching so near perfection, that they were frequently mistaken for their natural prototypes. *A Diploma.*

164. MISS SUSAN COFFIN, *San Francisco*. Wax Flowers. Prettily wrought.

557. MRS. A. STEINERT, *San Francisco*. A Frame of Wax Work. Very beautifully wrought with worsted, chenille, wax, silk, and tinsel, and exhibiting much taste. *A Bronze Medal.*

235. MADAME JACQUINOT, *San Francisco*. Specimens of Hair Work. *A Diploma.*

70. MRS. D. BUSH, *San Francisco*. Specimens of Hair Work. Differing in style from the preceding, but equally good, and also awarded *A Diploma.*

906. MISS C. TEMPLETON, *San Francisco*. Specimens of Hair Work. *A Bronze Medal.*

570. MISS E. SHORT, *San Francisco*. Specimens of Hair Work. *A Certificate of Merit.*

183. MISS — RICTER, *San Francisco*. A Hair Necklace. Prettily made.

— MRS. M. A. POST, *San Francisco*. Specimens of Shell Work. These are by an old lady, over sixty years of age, and are the finest presented. *A Diploma.*

23. MISS E. F. COFFIN, *San Francisco*. Specimens of Shell Work. *A Bronze Medal.*

723. MRS. — STILL, *San Francisco*. Specimens of Shell Work. The maker more than seventy years old. *A Certificate of Merit.*

391. MISS M. DENNIS, *San Francisco*. A Case of Shell Work. Very pretty.

351. MRS. E. FALES, *Mission Dolores*. A Box with Shell Frame.

548. MRS. P. BLACK, *San Francisco*. Two Shell Frames.

82. MRS. FRANCES PIQUE, *San Francisco*. Artificial Flowers. The finest exhibited which were made in California. *A Diploma.*

218. C. ROHRLE, *San Francisco*. Artificial Flowers.

604. MADAME — RIBLER, *San Francisco*. Artificial Flowers.

773. MRS. — CHAPMAN, *San Francisco*. Artificial Flowers, made of the scales of fish. Very ingeniously and prettily wrought.

545. MRS. P. E. ROGERS, *San Francisco*. Pressed Flowers. The best specimens exhibited. *A Diploma.*

369. MISS B. AINSA, *San Francisco*. Pressed Flowers. These were wild flowers of California. Also, *A Diploma.*

809. MRS. J. N. PRATT, *San Francisco*. Mosses. A hundred different varieties, arranged with admirable taste. *A Diploma.*

545. MRS. P. E. ROGERS, *San Francisco*. Mosses. A bouquet of several species. *A Bronze Medal.*

143. MRS. J. M. SANDERS, *San Francisco*. Specimens of Algæ. A large collection, gathered on North Beach, and said to be the finest in the State. *A Diploma.*

352. MISS FRANCES AINSA, *San Francisco*. A Frame of Moss and Pressed Flower Work. Very pretty.

23. MISS LYDIA G. COFFIN, *San Francisco*. A Basket of Shell and Moss Work. Tastefully made.

347. MRS. — NEALL, *San Francisco*. Specimens of Sea Mosses and Pressed Flowers.

158. MRS. E. HERTEL, *San Francisco*. A Bead Basket and Mat. Unique and pretty.

It has not been possible for the judges to give a special notice to every article in the department which they were deputed to examine and report upon; but it is believed that the best of each variety have been presented in the foregoing.

CLASS XLI.

MEDICINAL AND CHEMICAL PRODUCTS, ETC.

Judges :

HENRY M. GRAY, M. D.,

ARTHUR B. STOUT, M. D., CHAS. M. HITCHCOCK, M. D.,

ANDREW J. ALMY, J. H. COGGESHALL.

It has not been possible for the judges to analyze chemically all the various products presented to them for inspection in this class, but a careful examination of the principal articles offered, and their personal knowledge of the skill and reputation of the contributors, has enabled them to present the following report. But three pharmacutists entered their productions, as will appear, and to all these honorable mention is due for the excellence and beauty of their preparations.

890. W. H. KEITH & Co., *San Francisco*. Medicinal and Chemical Preparations. This is the largest assortment exhibited, and the samples are said to be taken from those articles constantly for sale in their establishment, as prepared by themselves. They are certainly very excellent, and among them the following deserve particular encomium : Sol. Alum with Benzoin; Tinct. Arnicae; Tinct. Aconiti Sat.; Liquor Cinchonae Hydryodatis; Liq. Cinch. Hyd. cum Ferro; Vinum Cit. Fer. et Quiniae, and Ung. Hydrarg. Nitrat. Most of these have been prepared by Messrs. Keith & Co. at the instance of various physicians in this city, and are of comparatively recent introduction into use. They also present many articles of foreign manufacture which are worthy of notice for the admirable manner in which they are put up for exhibition.

A Diploma.

587. LITTLE & Co., *San Francisco*. Medicinal and Chemical Preparations. These, although not so numerous as those presented by Keith & Co., are remarkable for several very fine articles from the laboratory of the exhibitors. Among these may be mentioned their Liquor Fer. Citrat. et Quin. Sulph., Chloroform, Iodide of Ethyle, and Inodorous Glycerine. The aqueous solution of Quin. Sulph. et

Fer. Citrat., Messrs. Little & Co. claim to have been the first to prepare in the proportions they give, viz.:

Citrat. Fer. three parts.

Quin. Sulph., one part.

This concentrated solution may by evaporation be reduced to a consistent pill mass. This firm was the first to prepare chloroform in this State, and for its manufacture they have on former occasions received certificates and a medal. They also exhibit, among other things, Amylene, Pepsine, (Baudault's,) a beautiful crystal of Fer. et Alum Sulph., and Ol. Moorhuæ et Quin., which last excels all others presented.

A Bronze Medal.

816. L. D. LANZWEERT, *San Francisco*. Medicinal and Chemical Preparations. The articles presented from the laboratory of this gentleman merit especial commendation. Although his establishment has been recently destroyed by fire, his perseverance has enabled him handsomely to compete in the exhibition of valuable articles in this class. His complete series of preparations of the Canchalagua of California, in Syrups, Tinctures, Wines, Fluid and Solid Extracts, and proximate principle of Canchalaguine, are very interesting, and there are many other preparations of California products which are worthy of a more detailed description than the judges have time to present.

A Certificate of Merit.

203. SAMUEL ADAMS, *San Francisco*. A Case of Medicines. Imported.

479. PARK & WHITE, *San Francisco*. A Show-case of Medicines. Imported.

931. FARMER, CHASE, & Co., *San Francisco*. Acids. These are from the San Francisco Chemical Works, consisting of specimens of Nitric, Muriatic, and Sulphuric Acids. Until the organization of this establishment, the operations of the Branch Mint in this city were frequently impeded, but at present the supply afforded is constant, and great danger and expense in the importation of these articles is avoided. These acids are very good, and sufficiently pure for commercial purposes. The nitric acid, however, marked "concentrated pure," is not absolutely pure. It leaves residue when evaporated to dryness. Although it remains unchanged by the test of nitrate of silver, it throws down a precipitate with nitrate of barytes; while the presence of water enables it to attack zinc with vigor.

A Diploma.

325. R. F. KNOX & Co., *San Francisco*. Sal. Soda. The Crystals of this hydrocarbonate of soda are of large size and beautifully transparent. This firm claims to be the first and only manufacturers of this article on the Pacific coast, and their success should obviate the necessity for further importation, if the production can withstand the competition of price. The judges have been favored with an inspection of the works of Messrs. Knox & Co., and find that they possess all the appliances wherewith to furnish to the trade any quantity of this beautiful preparation. *A Diploma.*

482. JOHN TAYLOR, *San Francisco*. Chemical Apparatus. This consists of a case of glass and porcelain apparatus for chemical manipulations, arranged with much taste. Most of the articles are imported, but among those of his own production are noticed, cupels for assaying gold, and many of those fragile implements so indispensable to the analyst, such as test tubes, safety tubes, pipettes, matrasses, and evaporating glasses.

856. H. DURKEE, *Sacramento*. A Jar of Potash, made in the country.

CLASS XLII.

REGALIA, TOYS, IVORY TURNING, ETC.

Judges:

FRED. A. WOODWORTH,	
E. W. BOURNE,	B. H. FREEMAN,
L. W. SLOAT.	CHARLES DOANE.

932. D. NORCROSS, *San Francisco*. Regalia and Military Goods. A great variety of Masonic, Odd Fellows', and other regalia, and military and naval embroidered goods. These embroideries are principally by Mrs. Norcross, and are beautifully executed; and the whole display is very creditable to the exhibitor. *A Diploma.*

504. T. RODGERS JOHNSON, *San Francisco*. Regalia. Masonic and Odd Fellows' Regalia, richly embroidered from designs by him-

self. These are quite equal to those preceding, but the variety is not so great. *A Bronze Medal.*

478. OTTO DEUSSING, *San Francisco*. Toys. A great variety, manufactured here. *A Diploma.*

92. A. KOHLER, *San Francisco*. Toys. A large collection, imported.

453. ATWILL & Co., *San Francisco*. Toys. A large assortment, imported.

475. M. ENGEL, *San Francisco*. Specimens of Ivory Turning. These consist of Billiard and Pool Balls and Pins, Bracelets, Masonic Gavel, &c., all of superior workmanship and finish. *A Diploma.*

554. L. ECKSTEIN, *San Francisco*. Specimens of Ivory Turning. Billiard and Pool Balls, excellently finished. *A Bronze Medal.*

286. T. F. BARNARD, *San Francisco*. An Ivory Silk-Reel.

257. A. JELLINECK, *San Francisco*. A Specimen of Ivory Turning.

CLASS XLIII.

PRESERVED FRUITS, MEATS, AND VEGETABLES; PICKLES, ETC.

Judges:

H. CHANNING BEALS,	
J. H. BLETHEN,	E. C. WILLIAMS,
W. B. PEAKE,	A. F. BOND.

537. FRANCOIS GENARD, *San Francisco*. Preserved Fruits, Meats, &c. These consist of peaches, pears, milk, oysters, tomatoes, peas, beans, salmon, turkeys, &c., all put up in a very excellent manner, and quite equal to any imported articles of a corresponding description. *A Diploma.*

933. GEO. H. BEACH, *Marysville*. Preserved Peaches. The finest exhibited. *A Diploma.*

158. MRS. E. HERTEL, *San Francisco*. A Jar of Melon Preserves. Very nice.

201. MRS. — VAN HOUTEN, *San Francisco*. A Jar of Quince Jelly. Exceedingly good.

215. W. R. RICHARDSON, *Brooklyn*. Quince and Apple Preserves. Good, also.

295. A. D. BAKER & Co., *San Francisco*. Pickles. Very fine, and entitled to *A Diploma*.

CLASS XLIV.

BEET ROOT SUGAR.

Judges:

J. MORA MOSS,
L. D. LANZWEERT, HENRY HENTSCH,
A. E. SABATIE,

687. EUGENE DELESSERT, *San Jose*. Beet Root Sugar. The interesting exhibition, by this gentleman, of the various products of the beet root—the first expression of the juice, the syrup in its different stages, the brown and the refined sugar—have been examined with much care by the judges, and they have been as much gratified as astonished at learning that but four months had elapsed from the planting of the seed to the exhibition of the various samples of sugar offered. The brown sugar is well crystalized, and is believed to be very suitable for refining purposes. The refined sugar is of fair quality, although the implements employed in its manufacture were thus far very defective, and, in the hurry to present the article at this Exhibition, the beets were not permitted to become thoroughly ripened. For these things much allowance should be made, as it is evident that with more time, and better perfected apparatus, much better samples could be presented.

From data received from several experienced agriculturists, it is believed that the soil and climate of this State are peculiarly adapted to

the culture of the beet; as the ground, properly tilled, will produce at least two crops in each year, yielding from forty to fifty tons per acre. The absence of frost would enable the producer and manufacturer to continue his operations during the entire year, without interruption, and thus the greatest difficulty anticipated—that resulting from the high price of labor—would be more than compensated by the certainty of a continued product.

The manufacture of sugar from the beet is no longer an experiment. It has been fully tested on the continent of Europe during the past fifty years. In France alone there are over five hundred manufacturers of the article, producing annually more than two hundred millions of pounds; and, though burdened with a heavy excise duty, it is there a profitable enterprise, and the consumption of this sugar is nearly equal to that of the product of the cane. In Belgium, Austria, and Russia, too, it is much in use; and, though without positive data, it is believed to be consumed to a greater extent than any other sugar. There was for some time a prejudice against this production, but it has now entirely ceased, and the most eminent chemists have given their opinion in favor of its being equally as good in every respect as any other sugar. Chaptal says that, "Sugar extracted from the beet is exactly of the same nature as, and differs in no manner (when refined,) from the sugar of the cane. The taste, crystalization, color, and weight are identical, and it is impossible for the most able judge to distinguish the one from the other." Beet sugar can be made cheaper than that from the cane; for, although the proportion of saccharine matter is less in the beet, the quantity of the raw material produced per acre is much larger, and there is less labor and expense in its culture.

The juice of the beet gives from seven to twelve per cent. of saccharine. The necessary machinery for the crushing, boiling, &c., to manufacture an article suitable for the refinery, can be erected at a very small expense. The pulp which remains is of a most nutritive character, and is a valuable food for cattle, having the great advantage over turnips for cows, that it gives no disagreeable flavor to the milk. Alcohol, so important in the arts, can be made from this product at a comparatively low price, and that it can be made of good quality is evidenced from the sample exhibited by Mr. Delessert. The French article sells in this market at from \$2.00 to \$2.50 per gallon. The production in France for the year 1852 was 670,000 hectolitres, or over 17,000,000 of gallons. All these things being considered, it is believed by the judges that this is a most important branch of industry

for the State of California; and as we now pay nearly two millions of dollars annually for raw sugar, it is hoped that it may engage the attention of our enterprising agriculturists.

To Mr. Delessert, for his praiseworthy effort to introduce among us a new industry, so worthy of every encouragement, the judges recommend
A Diploma.

CLASS XLV.

MISCELLANEOUS.

Judges:

H. CHANNING BEALS,
 J. H. ATKINSON, P. B. COMINS.

141. J. W. SCHAEFFER & Co., *San Francisco*. Cigars. Made here, from tobacco grown in Ohio. A fair article, and very well made. The best presented. *A Diploma.*

416. I. BRAVERMAN, *San Francisco*. Cigars. Also made here, from tobacco raised in this State. Of tolerable quality, and well put up. *A Diploma.*

411. J. M. CUSHING, *San Francisco*. Bacon. Very good, and the best presented. *A Diploma.*

371. WM. SEARLE, *San Francisco*. Smoked Beef. A good article, and worthy *A Diploma.*

615. V. MARZIOU & Co., *San Francisco*. Plaster of Paris. Made in the country. *A Diploma.*

935. CHAS. BON, *San Francisco*. Specimens of Asphaltum Paving. Such as is now being extensively used for the streets of San Francisco, and deemed the best preparation of the article for that purpose. *A Diploma.*

672. J. S. CHURCH, *San Francisco*. Specimens of Asphaltum Paving. *A Bronze Medal.*

101. — MAIGE, *San Francisco*. Specimens of Imitation Asphaltum Roofing. *A Certificate of Merit.*

744. JOHN HORBER, *San Francisco*. A Gear-Cutting Machine, for cutting teeth in wheels for watches, &c. An excellent piece of mechanism of his own invention, and awarded *A Silver Medal.*

862. S. S. RICHARDSON, *San Francisco*. A "Water Watch." A machine invented to give an alarm when the water in a steam boiler becomes too low. At such a time a whistle is sounded, which will continue for fifteen or twenty minutes, when, if the deficiency is not remedied, the apparatus will let water upon the fires, and extinguish them. It appears to be a practicable, and is certainly a useful invention, and is awarded *A Silver Medal.*

52. JOSEPH ROBINSON, *San Francisco*. Screens made of Paper Hangings. Very handsome articles. *A Diploma.*

394. W. D. FARRAND, *Santa Cruz*. Self-coupling Apparatus, for Railroad Cars. A very ingenious, yet simple contrivance, invented by himself. *A Silver Medal.*

216. J. C. DAVIS, *San Francisco*. A Lamp, for burning Lard or Tallow. A good article. *A Diploma.*

850. GEO. W. DE GEAR, *San Francisco*. A Child's Wagon. Very prettily made. *A Diploma.*

938. THOS. EDWARDS, *San Francisco*. Flax Seed, of the growth of 1856. Very good. *A Certificate of Merit.*

939. A. P. SMITH, *Sacramento*. Native Raisins. From the Malaga grape, and of fine quality. *A Diploma.*

705. F. W. JACKSON, *San Francisco*. Silk Worms, and Specimens of Silk. *A Diploma.*

491. J. D. GODEUS, *San Francisco*. Washing Fluid. *A Certificate of Merit.*

860. J. L. F. WARREN, *San Francisco*. Two Show-cases of Curiosities. Very interesting. *A Diploma.*

331. CHAS. KAEDING, *San Francisco*. A Fancy Table Cover. Very elaborate in design, and beautifully made. *A Certificate of Merit.*

214. JAMES ROSSITER, *San Francisco*. A Patent Awning. A superior article, and worthy *A Diploma.*

499. JAMES ROSSITER, *San Francisco*. Wire and Venetian Blinds. *A Diploma.*

CLOSING ADDRESS,

DELIVERED AT THE TERMINATION OF THE FIRST EXHIBITION
OF THE MECHANICS' INSTITUTE OF THE CITY
OF SAN FRANCISCO,

BY JOHN SIME, ESQ.,

PRESIDENT OF THE INSTITUTE.

LADIES AND GENTLEMEN, AND FELLOW MEMBERS OF THE MECHANICS' INSTITUTE:

The exhibition of skill in the mechanical arts, initiated by the enterprise of the Association over which I have the honor to preside, and for the great success of which we are so deeply indebted to the kind and liberal encouragement of the citizens of San Francisco, will terminate this evening: and it is but proper in me, as the organ of our Association, to address you a few remarks, in part explanatory of the objects contemplated by the projectors of this movement; as well as to convey to the numerous visitors who have gratified us by their attendance and support, the warm and grateful thanks of the mechanics of San Francisco.

The enterprise so successfully carried out, was undertaken, not for purposes of sordid gain, but was conceived in an honorable ambition by some of the mechanics, artizans and manufacturers of this city, to display to their fellow-citizens their ability to compete with older and more favored manufacturers in the Eastern and European States, in those branches of industry of the greatest importance to our adopted State. In other words, we desired to afford you convincing proofs that it was no longer necessary for you to submit to delays, hazards and ex-

pense attending foreign importations, for the supply of mechanical articles most needed in this State ; but that here, in your own home, the intelligence, skill, enterprise and industry of the mechanics of San Francisco were adequate to the wants created by the rapidly increasing development of the internal trade, agriculture and metallic resources of the State. Great obstacles were encountered by us in the outset. The novelty of the effort, the lukewarmness of some, the timidity of others, the difficulty of engaging in our common enterprise the skill and labors of a class, many of whom were unable to divert their attention from daily occupations—all combined to fetter our energies, increase our labors, and cast a shadow of doubt upon our success. Whether or not we have triumphed over our difficulties will best be determined by the verdict that you will pronounce. Should that judgment be favorable, a new impulse and higher stimulant will be communicated to our institute, and induce us, in another year, to put forth fresh energies, to present to our fellow-citizens an Exhibition still worthier of the mechanics of California, and more deserving of your encouragement and praise.

It is a matter of self-gratulation with us, ladies and gentlemen, that we have accomplished so much in so short a time. Turn back a few years, and where now are reared the lofty structures, beneath whose roofs are heard the busy hum and din of industry, were to be seen but hills of sand and barren wastes. In place of conducting hither steamers at vast expense, and with danger to their hardy navigators, within ten minutes' walk of this spot have been constructed—and will be whenever necessity requires—steamers that would grace the Father of Waters, so justly celebrated for its noble specimens of naval architecture. The specimens of sugar in its crude state, obtained from the beet-root, and those refined by the San Francisco Sugar Refinery, will attest our ability to dispense with foreign supplies. Manufactured articles in wood, paper, furs, tapestry, &c., are additional proof of the eminence which our artizans have already attained, under disadvantages not easily comprehended, except by those who have contended against them ; while the extensive and varied assortment of machinery—from the model engine, as delicate in its construction as the finest chronometer, to the powerful crusher of quartz and stone—justify us in pointing with pride to what we have accomplished, and inspire hopes of our ability, ere long, successfully to compete with the labor of any part of the world.

I regret that circumstances have prevented a more extensive exhi-

bition of the various inventions for developing the rich resources of our quartz mines. Had inventors and manufacturers of quartz-crushing machines exhibited working models, so as to enable capitalists and others interested in this important field of inland wealth to inspect their qualities, an opportunity would have been afforded to parties interested to select the inventions best calculated to attain their object. I trust, another year will present a more extensive collection in this and other interesting departments of mechanical skill.

The success of our endeavors has gratified us, and inspired us with hope, confidence, and increased energies; and a net amount of profit will be realized, that will constitute the nucleus of a fund which we design to devote towards the erection of an edifice that will equally attest the pride of this city, and furnish the apprentices and junior members of industrial arts opportunities for reading, studying, and assisting each other in attaining a comprehensive knowledge of the particular department of industry to which they may devote their attention.

In conclusion, fellow members, let me enjoin upon you an interest in your labors that shall redound to the credit and success of your order. By study, industry, and devotion to labor, by maintaining the honor and dignity of your avocations, at once useful and essential, you will command the position to which the importance of your occupation and their economical results entitle you.

And to you, ladies and gentlemen, who have so generously sustained us in our effort to make you acquainted with the capacities of this State, we look for encouragement and support. A generous and liberal encouragement of the labors of those who present their claims to you, will contribute as largely to confer honor and distinction upon California, as the efforts of others in the paths of commercial life or scholastic attainments. As a Californian, a mechanic, and your fellow-citizen, I invoke your support, as I return you the thanks of the members of the Institute for your kind encouragement and appreciation of their efforts to please.

REPORT

OF THE

EXECUTIVE COMMITTEE.

TO THE MEMBERS OF THE MECHANICS' INSTITUTE OF THE CITY
OF SAN FRANCISCO :

GENTLEMEN,—The Executive Committee (consisting of all the officers,) constituted by a resolution adopted at the regular monthly meeting in April last, to carry out the determination expressed in a brief circular which was issued in December, 1856, entered immediately upon the discharge of their duties, fully impressed with the magnitude of the undertaking, and with no small degree of anxiety in regard to its result.

Their first care was to prepare and distribute a circular, setting forth the objects and ends to be attained by the Exhibition, and prescribing the rules and regulations which would be enforced in its government. These circulars were widely distributed, and every available means was employed to give publicity to the movement, and to enlist the co-operation of all its well-wishers. In our own city, a thorough system of canvassing was adopted. Special agents were employed, with instructions to make personal application to every citizen who would be at all likely to aid in the enterprise. That none should be overlooked, the work was conducted systematically—street after street being canvassed, up the one side and down the other.

The next great desideratum was to find a building suited for the Exhibition. After a fruitless search for many days, it was found that our city did not possess one, and it was determined to erect a temporary edifice especially for the purpose. At this juncture, with becoming liberality, our generous fellow-citizen, Mr. JAMES LICK, came to our aid, and tendered us the free use of his beautiful block of lots bounded

by Post, Montgomery, and Sutter Streets; than which, a more eligible site could not have been selected. This point being settled, the next question to solve was what should be the character of the structure? The first impulse was to make it as plain and cheap as possible—prudence seeming to forbid any great expenditure upon a project which seemed so uncertain in its results; but the very favorable reports which were made daily by our special agents, gave promise of a hearty co-operation by all classes of the community; and the final determination was, that the structure should cover an area of twenty thousand square feet, and be built with some regard to style and architectural proportions. That the decision was a wise one, the sequel abundantly showed; for the Pavilion was considered by almost every one as the great feature of the Exhibition—its general plan being that of a Greek Cross, with a large swelling dome ninety feet in diameter, the design for which was generously furnished, without charge, by Messrs. CLARK & KENITZER, architects, of this city.

The services of the press were early solicited, and, with but few exceptions, the response was hearty and cheerful. Our advertisements were inserted at a cost far below remunerative prices; words of encouragement flowed daily from editorial columns; and every step in the progress of the work was heralded in a becoming and most friendly manner, thereby infusing into the minds of the lukewarm a determination to give a helping hand.

The formal opening of the Exhibition took place on the evening of September seventh, at Musical Hall, when Mr. H. F. WILLIAMS (one of your Committee) delivered the Opening Address to a large and appreciative audience. It was well received, and will be found in the published proceedings. Mr. EDWARD POLLOCK also delivered an appropriate Poem on the occasion, which too will appear in its proper place in this publication. The doors of the Pavilion were thrown open to the public on the morning of the eighth, and for nineteen days consecutively, excepting Sundays, an unceasing throng of visitors gave unmistakable evidence of the approval of the public,—with what success, pecuniarily, the financial report herewith submitted will best exhibit. To add to the attractiveness of the Exhibition, a fine band of music was in attendance every evening, which added much to the enjoyment of the visitors.

Almost without an exception, a cheerful response was given by the ladies and gentlemen who were solicited to act as judges upon the various articles exhibited, and the duties assigned them were performed

with such commendable zeal and fairness as to give almost universal satisfaction.

To the kindness of Commodore FARRAGUT, U. S. N., commanding at the Navy Yard at Mare Island, your Committee were greatly indebted for the loan of a large number of flags to be used in decorating the building; and to the courtesy of Mr. N. LARCO, of this city, they owe the large and beautiful fountain which adorned the centre of the Pavilion. The Committee also express their acknowledgments of the liberality of the SAN FRANCISCO GAS COMPANY, who charged but half the usual price for gas consumed during the Exhibition; and of the AUBIN GAS COMPANY, who lighted a portion of one wing of the building without charge at all. To Messrs. SPERRY & Co., too, they feel under great obligations for the splendid tower clock, which, at a cost of several hundred dollars to themselves, they erected in the main hall of the edifice.

The receipts of one day, amounting to \$1253.12, were donated to the Orphan Asylums of this city, (the Catholic and the Protestant,) one half to each, and the acknowledgments of the recipients are herewith submitted. Several of the Executive Committee, and an effective police force, were constantly in attendance, both day and night, during the continuance of the Exhibition, and the best of order was preserved throughout. By the ceaseless vigilance of the detective police officers, all disreputable characters were excluded, and we are not called upon to chronicle a single disturbance, of any character whatever, or an instance of any theft committed within the walls of the Pavilion.

The closing Address (which will be found in the reports) was delivered by the President, (Mr. JOHN SIME,) in the Pavilion on the last night of the Exhibition; and on the evening of the sixth of October, after all the articles were removed, a ball was given, (as had been previously announced,) which was thronged by a brilliant assembly, and at which every thing passed off to the apparent satisfaction of all present.

The reports, as handed in by the several committees of judges, were placed in the hands of Mr. A. G. ABELL, who entered upon the work of compilation, and was pushing the work to a speedy termination when checked by severe sickness in his family, which proved of a protracted character, and for a long time prevented his proceeding. As soon as he could again resume the work, he did so, and he has completed the task to the entire satisfaction of your Committee. We

hope this explanation will be a satisfactory apology to those who have not been able to account for the non-appearance of the Report at an earlier period.

In accordance with a previous understanding, and by our invitation, the State Horticultural Society joined in the Exhibition, and took the control of that branch of the Fair—so far, at least, as concerned the appointment of its committees, and the determining of its awards—under the general supervision, however, of the Executive Committee of the Institute. Their printed reports will appear as an appendix to this publication ; and it is needless to add, that this portion of the Exhibition was one of its most attractive features.

In conclusion, the Executive Committee present the following statement of the receipts and expenditures connected with the enterprise :

RECEIPTS.

From sale of Season Tickets, before the opening of the			
	Fair,.....	\$2385	00
Sept. 8.	Received at the door,.....	1985	65
" 9.	" " "	1951	20
" 10.	" " "	1416	75
" 11.	" " "	1260	15
" 12.	" " "	926	80
" 14.	" " "	1036	38
" 15.	" " "	751	70
" 16.	" " "	785	00
" 17.	" " "	859	30
" 18.	" " "	671	80
" 19.	" " "	1253	12
" 21.	" " "	653	80
" 22.	" " "	576	80
" 23.	" " "	532	75
" 24.	" " "	612	80
" 25.	" " "	776	90
" 26,	" " "	894	60
957 Season Tickets at \$5,.....		\$4,785	00
29091 single admission, 50 cents,.....		14,545	50
			\$ 19,330 50
Oct. 6.	Receipts from Ball,.....	1,829	35
	Rent of Refreshment Room,.....	577	50
	Rent of Pavilion for the month subsequent to the close of the Fair, for Promenade Concerts,.....	533	33
	Receipts from sundry other sources,.....	77	00
Total Receipts,.....		\$ 22,347	68

Amount of Receipts brought forward,..... \$22,347 68

EXPENDITURES.

For Grading Lot,.....	\$ 207 05	
“ Lumber,.....	3247 34	
“ Carpenters’ Work,.....	946 75	
“ Canvass for Roofing,.....	554 32	
“ Labor “ “	280 51	
“ Masons’ Work in setting Boiler, &c.,	53 00	
“ “ “ “ “ Fountain,.....	65 00	
“ Lead Pipe,.....	72 64	
“ Hardware,.....	158 60	
“ Pump and Water Tank,.....	120 00	
“ Gas Fixtures,.....	789 60	
“ Setting Steam Engine and arranging Shafting,..	132 75	
“ Engineer,.....	90 00	
“ Coal,.....	110 00	
“ Water,.....	171 75	
“ Printing advertisements, Circulars, Tickets, &c.,..	1311 50	
“ Posting Circulars and Notices,.....	19 00	
“ Rent of Musical Hall for the opening ceremonies,	25 00	
“ Drayage,.....	283 25	
“ Laborers,.....	1231 45	
“ Watchmen and Police,.....	1258 25	
“ Doorkeepers,.....	181 00	
“ Clerks and Ticket Sellers,.....	572 75	
“ Superintendent,.....	500 00	
“ Special Agents,.....	415 00	
“ Music,.....	1018 00	
“ Painting and Glazing,.....	140 25	
“ Whitewashing,.....	28 00	
“ Paper Hanging,.....	66 75	
“ Stationery,.....	23 00	
“ Ornamental Decorations,.....	627 30	
“ Gas,.....	389 12	
“ Ropes and Blocks,.....	54 70	
“ Furniture for Office and Reception Room,.....	36 00	
“ Donations to Orphan Asylums,.....	1253 12	
“ Diplomas. including Lithographic Stone,.....	562 00	
“ Certificate of Merit, including Plates,.....	202 25	
“ Medals, including the Die and Press,.....	700 00	
“ Miscellaneous Expenditures,.....	71 75	
		<hr/>
		\$ 17,969 20
Leaving a balance of cash on hand,.....		\$4,378 48
From this amount is to be deducted the cost of printing 5000 cop- ies of the Reports, estimated at.....		1,500 00
Which will leave a balance on hand of.....		<hr/>
		\$2,878 48

Amount brought forward,..... \$2,878 48

In addition to this, the Institute has on hand the following property, as estimated at the low valuations which follow :

The Pavilion, for use at the next Fair,.....	\$3,500 00	
Gas Fixtures,.....	700 00	
Pump and Water Tank,.....	100 00	
Lithographic Stone for Diplomas,.....	450 00	
Plate for Certificate of Merit,.....	140 00	
Die and Press for Medals,.....	500 00	
		<u>\$5,390 00</u>

Making a total balance, in cash and assets, to the credit of the Exhibition, of.....	<u>\$8,268 48</u>
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The Clergy, members of the Press, and children and teachers of the Public Schools, and Orphan Asylums, were admitted free.

All of which is respectfully submitted.

JOHN SIME,	J. A. BANKS,	} <i>Executive</i> <i>Committee.</i>
GARDNER ELLIOT,	ISAAC E. DAVIS,	
H. F. WILLIAMS,	WM. McKIBBIN,	
P. B. DEXTER,	C. L. TAYLOR,	
J. E. KINCAID,	G. D. STREET,	
ELI COOK,	DANIEL VAN PELT,	

SAN FRANCISCO, 24th September, 1857.

H. F. WILLIAMS, ESQ., *Corresponding Secretary Mechanics' Institute* :

DEAR SIR,—On behalf of the Trustees of the Protestant Orphan Asylum, I acknowledge with great pleasure the receipt of your note of yesterday, enclosing six hundred and twenty-six dollars and fifty-six cents, being one half of the gross amount received at the Mechanics' Fair on Saturday last. I cannot sufficiently thank the Institute for the thoughtful kindness which has resulted in such opportunity and generous aid to the Orphans.

Most truly your servant,

FREDERICK BILLINGS.

SAN FRANCISCO, September 25th, 1857.

H. F. WILLIAMS, ESQ., *Corresponding Secretary Mechanics' Institute* :

DEAR SIR,—I have the honor to acknowledge the receipt of the sum of \$626.56, for one half of the gross receipts of the Mechanics' Fair for Saturday, 19th inst., to be applied to the fund of the Roman Catholic Orphan Asylum.

With many, many thanks for the generosity of the Mechanics' Institute,

I remain, dear sir, your most obd't servant,

GVE. TOUCHARD,

President of the Board of Trustees of the R. C. Orphan Asylum.

NAMES

OF THE PRESENT MEMBERS OF THE INSTITUTE.

Adams, Samuel
 Adams, Wm. J.
 Aitkin, Samuel
 Armes, G. W.
 Atkinson, J. H.
 Austin, Henry,
 Ayers, J. C.
 Bach, Martin
 Ballentine, James
 Banks, J. A.
 Barrett, Samuel,
 Battles, Wm. Ward
 Batturs, E. T.
 Bauer, Charles
 Bell, James
 Bell, J. C.
 Bergson, Ole
 Bernheim, Maurice
 Bigley, Thomas
 Bills, H. C.
 Blake, Francis
 Blake, G. W.
 Blethen, J. E.
 Bond, J. W.
 Bones, J. W.
 Boston, Joseph
 Boyd, Thomas
 Braverman, Isador
 Braverman, Louis
 Briggs, G. W.
 Brignardello, Stefen
 Britton, Joseph
 Brown, A. B.
 Brown, Nicholas
 Buckley, Frank

Buckley, J. P.
 Burbank, D.
 Burney, Wm.
 Calhoun, C. A.
 Cameron, D.
 Canham, Wm.
 Carlisle, Robert
 Carter, Robert C.
 Casebolt, Henry
 Chace, B. T.
 Chase, E. J.
 Chipman, James
 Church, E. W.
 Clark, Reuben
 Cofran, George
 Collins, Benjamin
 Collins, C. J.
 Comins, P. B.
 Cook, Eli
 Corcoran, Wm. J.
 Corliss, J. F.
 Culverwell, S. S.
 Cummiskey, John
 Curtis, J. B.
 Darbyshire, D. K.
 Davis, Isaac E.
 Davis, Wm.
 De La Montanya, M.
 Dennis, George
 Denny, J. J.
 Deussing, Otto
 Devoe, B. O.
 Devoe, James,
 Dexter, P. B.
 Dilhorn, N. B.

Doe, J. S.
 Donahue, James
 Donahue, Peter
 Donnellan, B. C.
 Dore, Benjamin
 Dresel, E.
 Driseoll, Richard
 Drouilhat, J.
 Eastman, Frank
 Eastman, Wm. H.
 Eayrs, H. P.
 Edgerton, George H.
 Edwards, Frank G.
 Elliott, C. D.
 Elliot, Gardiner
 Elliott, Thomas
 Fay, John
 Fell, E. L.
 Fennell, Michael
 Fernald, D. L.
 Fisk, E. S.
 Fisk, Royal
 Fitzpatrick, John
 Forbes, A. B.
 Fox, Horatio
 Fraser, Simon
 Freeman, B. H.
 Freeman, J.
 Frost, Horatio
 Fulton, J. J.
 Gallacar, Charles
 Gallagher, John P.
 Gariat, W. T.
 Gately, T. J.
 Geddes, Charles

Ghirardelli, D.	Kittredge, Jonathan	Ottignon, John L.
Giannina, P. A.	Klepzig, J. C. E.	Ottignon, Joseph
Gibbons, Henry	Knox, R. F.	Otto, Charles
Gilmore, G. W.	Kohler, Charles	Owen, L. C.
Gilmore, S. D.	Kuchel, C. C.	Page, R. C.
Gimmy, J. G.	Küner, Albert,	Palmer, J. C.
Gluyas, George K.	Lane, John C.	Pangburn, J. L.
Goodburn, Robert	Lang, C. E.	Pardow, George
Goodsell, D. C. M.	Leonard, H. R.	Peabody, H. G.
Graves, E. S.	Lougee, James W.	Pearson, Wm.
Gray, H. M.	Lyon, Wm. H.	Peck, Lewis
Greenwood, James	Macchiavello, J.	Peirce, J. H.
Grosh, Samuel	McPherson, A.	Pelham, N. C.
Gullicksen, S.	Mason, John	Perkins, Daniel L.
Gushee, Horace	Matheson, Roderick	Perry, Joseph A.
Haley, J. J.	McDonald, G. W.	Petty, Wm. H.
Halsey, Wm. R.	McDonald, John	Phelps, A. E.
Hammes, Philip	McEwen, B.	Phelps, W. S.
Harford, E. C.	McFaddin, John	Philips, John
Harris, Marx	McKibbin, Wm.	Pierson, J. D.
Harris, Wright	McLea, Donald	Poland, N.
Harvey, J. C.	McNally, Henry	Pomeroy, D.
Herrick, W. F.	Meeteer, M. L.	Potts, Izatus
Hewes, David	Mercer, Charles H.	Pray, G. T.
Hobbs, C. S.	Metcalf, S. A.	Prior, J. K.
Holmes, C.	Meussdorffer, J. C.	Purkitt, J. H.
Horber, John	Meyer, Adam	Quinton, J. B.
Houston, A. H.	Miller, F. A.	Rabé, Wm.
Hubbard, J. C.	Mitchler, G.	Reay, J. W.
Hucks, John I.	Moffitt, James	Rey, J. J.
Hudson, John	Monnich, Augustus	Richards, C.
Hunzicker, C.	Moore, B. P.	Riley, C.
Ils, John G.	Moss, J. Mora,	Ringot, Joseph
James, S. L.	Moulton, Josiah	Risdon, J. N.
Jellineck, Albert	Murphy, Daniel	Rix, Oscar
Johnson, J. B.	Murray, John	Roach, John
Johnston, James	Muygridge, E. J.	Robbins, Charles F.
Jorgensen, J. E.	Nagle, Geo. D.	Robinett, John
Josephi, Isaac S.	Neagle, Wm.	Robinson, Aaron
Kehoe, John,	Neal, Wm. W.	Röhrle, Christopher
Keith, Wm. H.	Nichols, George	Root, Ira C.
Kelly, J. R.	Nutting, Calvin	Rosekrans, Hiram
Kenitzer, Henry	Oakley, S. E.	Ross, Joseph
Kennedy, John	O'Brien, John	Rossiter, James
Kesmodel, Frederick	O'Brien, John H.	Sather, P.
Kimball, C. P.	Oldham, T. S.	Sawyer, A. F.
Kimball, T. A.	O'Meara, John	Schmolz, Wm.
Kincaid, J. E.	Ostner, Charles	Schreiber, Jacob

Schulthess, J. F.	Street, G. D.	Van Dyke, Joseph
Shaw, Thomas Ogg.	Street, N. J.	Van Pelt, Daniel
Sickler, C. M.	Sutherland, Edwin	Ware, Wm.
Sime, John	Swan, George V.	Warner, A. D.
Sims, John R.	Swett, F. P.	Waters, E. D.
Smith, C. W.	Swift, James F.	Webb, Henry
Smith, G. W.	Taylor, C. L.	Weber, G.
Smith, W. H.	Taylor, Wm. Parker	Wetzell, Theodore
Snook, G. A.	Tennent, Thomas	White, Robert
Snook, W. S.	Thayer, G. M.	Whiteman, G. F.
Stansfield, Joseph	Thursby, John T.	Williams, H. F.
Steele, Henry	Torquet, Paul	Williams, Joseph
Sterett, B. F.	Trapet, R.	Williams, S. H.
Stewart, A. H.	Twombly, Wm. H.	Wolf, John A.
Stinson, Perry	Underwood, G. R.	Worth, W. E.
Stratton, A. W.	Vaill, J. F.	Wright, J. A.—296.

REPORT
OF THE
FIRST ANNUAL EXHIBITION
OF THE
CALIFORNIA HORTICULTURAL SOCIETY,
HELD AT THE
PAVILION OF THE MECHANICS' INSTITUTE,
IN THE CITY OF SAN FRANCISCO,
FROM THE 8TH TO THE 26TH SEPT., 1857.

OFFICERS FOR 1857-8.

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F. W. MACONDRAY, OF SAN FRANCISCO.

Vice Presidents :

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WM. DANIELS, Santa Clara,
A. H. MYERS, Alameda,
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Directors :

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JASON L. SANFORD,	J. W. OSBORNE,
O. C. WHEELER.	

Committee of Finance :

F. W. MACONDRAY,	WILLIAM M. LENT,
WM. NEELY THOMPSON.	

REPORT

OF THE

EXECUTIVE COMMITTEE.

THE Executive Committee feel it incumbent upon them to say, that in holding its First Annual Exhibition in connection with another association, the Society was actuated by a desire to promote the general interest, rather than to advance its own fame, or add to its own strength.

Within the last few weeks, the Mechanics' Institute of San Francisco invited this Society to hold its exhibition in their Pavilion, and in conjunction with theirs ; extending, at the same time, such facilities as were entirely satisfactory to our board. The proffer was accepted, and no cause of regret has since occurred. By the terms agreed upon, the Institute was to pay all expenses, furnish all premiums, and have all receipts ; while this Society was expected to arrange and manage its own department, appoint its own judges, and make its own awards, all under the general supervision of the Institute. With these arrangements, the Fair was opened to the public on Tuesday morning, September 8th, 1857.

Owing to the brevity of the notice given after the arrangement was made, there were fewer exhibitors, and a more limited show of legitimate horticultural products, than there would have been had there been suitable time given in which to prepare. But, while truth compels us to say that the exhibition did not equal either our desires or our abilities, it also enables us to assert that it far exceeded the anticipations of the most sanguine who were acquainted with the circumstances.

From the Secretary's book we learn that there were fifty-eight exhibitors, representing by their specimens every department of horticulture. From the same source we learn that there were on exhibition forty varieties of apples, thirty-nine of pears, twelve of peaches, three of plums, three of quinces, two of nectarines, two of apricots, thirty-four of grapes, six of gooseberries, five of strawberries, and two hundred of pot plants, beside a large variety of miscellaneous articles. From the reports of the several committees we have compiled the list of fruits found at the close of this report, all of which the judges thought worthy of special notice. The list will therefore serve as the commencement of an index to those varieties which may be expected to succeed best in our soil and climate.

Should this course be thoroughly pursued in future, within a few years the series of lists will furnish to nurserymen, orchardists, and fruit-growers generally, a guide of great value.

The following reports of committees show the several awards, and give the views of the writers upon the subjects of which they treat. While some may appear prolix, others *want* elaboration. The few would lose none of their perspicuity by condensation, the many would add thereto by enlargement. No time or place more befits the correction of an abuse, or the introduction of an improvement, than the reports of such committees. We give these reports as they were *made*, (saving a few verbal changes, necessary to prepare them for the press,) choosing to let each speak for itself, rather than modify at the hazard of depreciation. As a whole, they will be found worthy of careful consideration.

F. W. MACONDRAY,	}	<i>Executive Com.</i>
JASON L. SANFORD,		
WILLIAM DANIELS,		
J. W. OSBORNE,		
O. C. WHEELER,		

LIST OF FRUITS.

The following list of Fruits exhibited at the recent Fair, and accounted by the several committees as superior to others on exhibition, is published as an initiatory index to those varieties which promise superior excellence in our soil and climate :

APPLES.

Holland Pippin,	Minister,	Belle Josephine,
Smith's Cider,	Canada Reinette,	Linnaeus Pippin,
Yellow Bellflower,	Rainbow,	Alexander,
Virginia Greening,	Golden Sweet,	Green Pippin,
White Winter Pearmain,	Kentish Fill-Basket,	Wagner,
American Golden Russet,	Williams' Favorite,	Matteson's Scarlet Crab,
Fameuse,	Michael Henry Pippin,	Roxbury Russet,
Seek-No-Further,	Northern Spy,	Fall Pippin,
Stevens' Pippin,	Gloria Mundi,	Maiden's Blush,
Baldwin,	White Swaar,	Autumn Strawberry,
R. Island Greening,	Esopus Spitzenberg,	

PEARS.

Louise Bonne de Jersey,	Virgaliën,	Orange Bergamot,
Glout Morceau,	Fondante d'Automne,	California Bergamot,
Buffum,	Jean d'Albert,	Flemish Beauty,
Beurré d'Il,	Beurré Figuerre,	Native Californian,

Duchesse d'Angoulême,	Seckel,	Marie Louise,
Bartlett,	Oswego Beurré,	Belle of Flanders,
Beurré Capiamont,	Tyson,	Van Mons' Leon Le Clerc,
Easter Beurré,	Golden Beurré of Bilboa,	Beurré d'Anjou.
Beurré Goubalt,		

PEACHES.

Druid Hill,	Late Cling,	Honey Cling, [Seedling,]
Heath Cling,	Nameless Seedling,	Orange Cling,
Golden Free, [Seedling,]	Bergen's Yellow,	Wax Cling, [Seedling,]

GRAPES.

Muscat of Alexandria,	Black Hamburg,	Zinfindell,
Frontignan,	Catawba,	Black Lombardy,
Dakin's Superb,	Chasselas de Fontaine-	Wilmot's Black Hamburg,
Flame-colored Tokay,	White Syrian, [bleau,	Victoria Hamburg,
Reine de Nice,	White Rislin,	Rose Chasselas,
Black Californian, (Mis-	Royal Muscadine,	Golden Chasselas,
sion,)	Cannon Hall Muscat,	Palestine,
White Nice,	Black St. Peters,	Grizzly Frontignan,
Sweet Water,	Cannon Hall Muscatel,	Great Peruvian Rose,
Isabella,	Cashmere Seedling,	Charboneau,
Black Quintenal,	Indigenous Grape of Cal.,	Black Malvoisin.

REPORT

OF THE COMMITTEE ON FRUIT.

Your Committee, to whom was assigned the department of Fruits, availing themselves of the following provision of the Constitution—"Any of the Committees of Award shall have power to call to their aid and appoint such sub-committees as they may deem necessary," (Art. VII., Sec. 5.)—appointed four sub-committees as follows, whose reports are herewith submitted :

- No. 1. On Apples, WILSON FLINT, G. H. BEACH, and A. P. SMITH.
- No. 2. On Pears, WM. N. THOMPSON, WM. DANIELS, and G. H. BEACH.
- No. 3. On Peaches, WM. DANIELS, C. R. BOND, and WM. N. THOMPSON.
- No. 4. On Grapes, ALEX. S. TAYLOR, and J. L. SANFORD.

These several committees devoted much time and labor to the very important work intrusted to them, and having full confidence in the fidelity of their reports, as well as the correctness and justice of the awards which they have recommended, your Committee most cordially concur in said reports and recommendations.

It is with no small degree of pride and gratulation that your Committee record the fact that we now have in successful culture, in our adopted State, a very large number of the best varieties of apples, pears, plums, peaches, cherries, figs, grapes, &c. ; thus furnishing nurserymen with a knowledge of the most desirable varieties for the climate, as well as with stock for their propagation.

Having attained our present position in successful culture, your committee would call the attention of pomologists to the correct naming of fruit, as a work of the first importance, however it may be beset with difficulties, owing to the changes produced in *form*, *color*, and *flavor*, by our soils and climate.

We cannot better express our own views on this subject, than by giving the following extract from the report of the Committee on Fruit, of the last annual fair of the State Agricultural Society : " We have found the 'Gloria Mundi,' which in other parts of the world is regarded as a coarse, second or third-rate apple, here attaining not only an enormous size, but also a firmness of grain and richness of flavor entitling it to rank with first-class apples." " We have found the 'Baldwin' and the 'Esopus Spitzenberg' growing so very large, as to cause practical and scientific pomologists to seriously question their identity, until actual taste removed their doubts."

We have also found that several varieties are so changed in form, color and season of maturity, that scarcely a point, (save the great cardinals, the calyx and the core), marks their identity. Here there is an important and difficult work imposed upon us, and one to which our united knowledge and experience should be brought and exercised, in kindness and unselfishness, inasmuch as there is so much ground for disagreement and diversity of opinion.

Your committee also deem it due to several of the contributors of fruits to state, that as the Constitution of our Society provides (Sec. 6th, Art. VII.) for a committee on names and synonyms of fruit, they thought proper to present their fruit unnamed, designing thereby to relieve said committee from embarrassment in their difficult labors. Your committee call attention to these facts, in order that these circumstances may not be used to the injury of said contributors; and that contributors may in the future be exempt from embarrassment, your committee recommend that some rule be adopted by the Society for its future guidance, either requiring all contributors to name their fruits, and to attach a card labelled "Name Unknown," to such as they cannot name, or to have all fruits placed upon the tables unnamed.

Your committee, in conclusion, cannot refrain from congratulating the Executive Committee and the Society upon the success of this, our first Annual Fair. We have seen, night after night, crowds around our tables — representatives of every nation, and of every State of our confederacy — and yet we have heard but one sentiment : " *This excels all that I have heretofore seen.*" This should give satisfaction with the past and present, and stimulus for the future.

All of which is respectfully submitted.

A. H. MYERS,
HORACE GUSHEE,
H. CHANNING BEALS.

REPORT

OF THE SUB-COMMITTEE ON APPLES.

The Committee on Apples have examined the specimens before them, contributed by twenty exhibitors from three general localities, which may be classed as follows: MR. MACONDRAY, of San Mateo ; MR. BRUGUIERE, and MR. LEE, of Oakland ; MR. RICHARDSON and MR. SANFORD, of Brooklyn ; and MR. MYERS, MR. PALMER, and DR. HAILE, of Alameda, from the first. The orchards of the above-named gentlemen are near the bay of San Francisco, and within the sweep of cooling winds and humid mists of almost daily fogs, the effect of which on the apple will be noticed more at length hereafter. Another distinct locality is San José, Santa Clara, and Napa,—possessing characteristics of soil and climate alike. In these sections will be found the orchards of MR. PELLIER, MR. O'DONNELL, and MR. RYLAND, of San José ; of MR. LENT, of Santa Clara, and of MR. LICK, of Alviso ; also, of MR. OSBORNE and MR. YOUNT, of Napa. These may be classed as the temperate localities, or that climate which, being near the heavy fogs of the first named, will receive nightly dews. The third region is that of Sacramento, the residence of MR. SMITH, and beyond the influence of the cooling winds from the sea. Your committee regret that there was but one variety of Apples exhibited from the latter section, as they will be unable to form any satisfactory opinion of its adaptation as an apple-producing locality. Your committee, however, are pleased to state that the specimen exhibited, a Roxbury Russet, was very fine.

Before proceeding to notice the lots which command our highest admiration, your committee beg leave to state, that specimens are found among all of the contributions which severally challenge competition ; and were awards to be given for individual specimens, it would be difficult to decide, because all are worthy of commendation.

MR. J. LEWELLING, of San Lorenzo, Alameda Co., presents thirty-four varieties, among which we would especially mention the Holland Pippin, Smith's Cider, Yellow Bellflower, Virginia Greening, White Winter Pearmain, and American Golden Russet. Mr. Lewelling's apples are grown in the locality first mentioned as that of cold winds and fogs. These somewhat retard the early maturity of the fruit, nor are the specimens so highly colored as those grown in Napa and San José ; but what they may lack in size and color is compensated for in juiciness and weight ; as it is evident that the cellular tissues are better filled with that "nectar fit for men and gods," in a clouded atmosphere, than under an arid and clear sky. To Mr. Lewelling, your committee, after some hesitation, award the first notice, due alike to his skill and success as a practical horticulturist, as well as to the magnificent display of apples on exhibition.

MR. J. W. OSBORNE, of Oak Knoll, Napa, presents twenty-six varieties, among which are the Fameuse, Seek-No-Further, Stevens' Pippin, Baldwin, Yellow Bellflower, Rhode Island Greening, and Minister ; all of which, for size and beauty, your committee have never seen equaled. Comparing an equal number of varieties from Mr. Osborne's samples with those of Mr. Lewelling, it was found that Mr.

Osborne's apples were larger and higher colored ; but when the excess in number of varieties was considered, your committee reluctantly give the first place to Mr. Lewelling, and the second to Mr. Osborne. When Mr. Osborne shall have subjected his orchard to a thorough *shortening in*—which will form the fruit-buds on the inner branches, and give them a canopy of leaves on the outside, to protect the fruit from a blistering sun—then he will have demonstrated the utility of a theory now generally adopted in Europe and the Atlantic States, and add another of those useful landmarks to California, in which he long since became a liberal experimentist.

MR. A. H. MYERS, of the Pioneer Nursery, Alameda, presents eighteen varieties, all beautiful, luscious, and tempting ; the most noticeable of which are, the Canada Reinette, Rambo, Smith's Cider, and Golden Sweet.

MR. F. W. MACONDRAY, of San Mateo, presents several varieties, such as the Kentish Fill-Basket, Rhode Island Greening, Williams', and Michael Henry Pippin, all of which were of superior excellence.

MR. C. T. RYLAND, of San José, presents eight varieties, monstrous in size, and delicious in flavor.

MR. GEO. C. YOUNT, of Napa, presents eight varieties, some of which are the handsomest to be seen at the fair. May that sturdy old pioneer live long to add his contributions to the development of California.

MR. L. PELLIER, of San José, presents six varieties, all fine, among which is the Northern Spy, the first we have seen on this coast.

MR. WM. O'DONNELL, of San José, presents four varieties, among which is the Gloria Mundi, weighing twenty-six ounces.

MR. JAMES LICK, of Alviso, presents three specimens of as many varieties, all fine, and of extraordinary size.

MR. WM. M. LENT, of Santa Clara, presents five varieties, noticeable among which are the Winter Swaar, and Esopus Spitzenberg.

MR. L. BRUGUIERE, of Oakland, presents seven varieties, all fine ; the most attractive of which are the Belle Josephine and Linnaeus Pippin.

MR. W. R. RICHARDSON, of Brooklyn, presents one variety, the Alexander, a large and highly-colored fruit.

MR. GEO. LEE, of Oakland, presents some specimens of Pippins which are splendid.

MR. J. L. SANFORD, of Shell Mound, Alameda Co., presents seven varieties, the most attractive of which are, the Wagner, and Matteson's Searlet Siberian Crab, the latter being extra large and highly colored.

MR. A. P. SMITH, of Sacramento, presents one variety, the Roxbury Russet. Very fine.

MR. H. J. CLAYTON, of Sonoma, presents several varieties. Splendid.

MR. A. FINES, of Bodega, presents a specimen of the Gloria Mundi, which weighs thirty and one half ounces.

MR. N. W. PALMER, of Alameda, presents several varieties, among which are the Fall Pippin, Maiden's Blush, and Rambo, all worthy of especial notice.

DR. H. HAILE, of Alameda, presents twelve varieties, the most noticeable of which are the Rhode Island Greening and Autumn Strawberry.

COL. T. J. NEVINS, of Alameda, founder of the free public schools of California at San Francisco, now advanced in life, is teaching young trees to shoot and blossom and be fruitful, instead of the young idea. A basket of blushing laughing apples is his contribution. May he long partake of the fruit that grows on the tree of knowledge, and the scourge upon our first parent, by the "sweat of the brow" fall lightly upon him.

Your committee, before submitting their report, deem it not out of place to offer a few remarks upon the proper mode of training apple trees, believing that one object of our society is to impart useful information, and point out what may be done in the future, as well as to present by our exhibition the achievements of the past.

The writer of this has long been an observer of the modes of cultivating the apple in the Southern Atlantic States, and can state with much certainty that, wherever the plan of heading down the young trees so that they shall throw out a section of branches near the ground, has prevailed, success in raising apples has been the result. By forcing out branches near the ground, a constant shade is given to the trunk of the tree, and the earth around it is kept cool and moist. This enables the sap to ascend and descend freely at all times to all parts of the tree. Again, by heading in the side branches, the buds nearest the trunk, which otherwise would remain dormant, are forced into fruit spurs, and the terminal bud and those nearest it, throw out a subdivision of shoots, which, with their rosettes of leaves (the germs of fruit spurs to be fully developed the next season) afford a shade for the interior of the tree which gradually becomes a mass of fruit, inside, instead of presenting an open straggling head of naked canes having apples only on the ends of the twigs, liable to be whipped off by the winds and blistered by the sun. Other advantages, such as greater facility of getting the fruit and pruning the trees, are in favor of low training. Your committee have frequently been pained to witness the persistence with which some cultivators continue to offer to purchasers high grown trees, without urging upon them the necessity of heading them down or planting out. The result of this highly censurable conduct is that there are found all over the State, orchards where the trees have trunks from three to six feet high, without a branch. Examine every such tree, and it will be seen that the bark is tight and dry, and the trunk, in most cases, dead on the side next the sun. Every such cultivated tree is worthless, and will soon perish.

Trusting that the display of fruits at your exhibition has been as gratifying to the throngs of people who have surrounded the tables as it has been to your committee, we respectfully suggest the following awards :—

To J. LEWELLING, thirty-four varieties,	<i>A Diploma.</i>
To J. W. OSBORNE, twenty-six varieties,	<i>A Bronze Medal.</i>
To A. H. MYERS, eighteen varieties,	<i>A Certificate of Merit.</i>
To C. T. RYLAND, eight varieties,	<i>A Certificate of Merit.</i>
To GEO. C. YOUNT, eight varieties,	<i>A Certificate of Merit.</i>
To H. J. CLAYTON, for specimen of winter Pearmain,	<i>A Certificate of Merit.</i>
To A. FINES, for monstrous Gloria Mundi Apple,	<i>A Certificate of Merit.</i>
To N. W. PALMER, four varieties, of superior quality,	<i>A Certificate of Merit.</i>

To W. S. JACKS, *Napa*. Superior specimens of the Rambo and Green N. Pippin. *A Certificate of Merit.*

All of which is respectfully submitted.

WILSON FLINT, }
G. H. BEACH, } *Committee.*
A. P. SMITH, }

REPORT

OF THE SUB-COMMITTEE ON PEARS.

Your committee, in submitting the following report, beg leave to say that no general terms could adequately describe the magnificent display of fruits in this department. We therefore submit, without comment, the following outline :

J. W. OSBORNE, *Oak Knoll, Napa*. Thirty-three varieties, in part as follows, and all raised without irrigation : Louise Bonne de Jersey, of extraordinary beauty—average weight of 4 specimens, 16 ounces each ; Glout Morceau ; Buffum ; Beur-re Diel, very fine ; Duchesse d'Angoulême, &c., all very fine, and the best collection on exhibition.

A. P. SMITH, *Sacramento*. Fifteen varieties : Bartlett, average weight of six specimens, 16 ounces each ; Duchesse d'Angoulême, average weight of five specimens, 18 1-5 ounces, one of which weighed 21½ ounces ; Beurre Capiamont ; Easter Beurre, two specimens, weight 18¼ ounces each ; Beurre Goubalt ; Virgallieu ; Fondante d'Automne ; Jean d'Albert ; Beurre Figuerre ; with six other varieties—a choice selection. Also, one tree, two years old, with six Duchesse d'Angoulême pears growing on it.

J. L. SANFORD, *Shell Mound*. Nine varieties, all grown on trees planted when in blossom in May last : Seckle, best specimens presented ; Oswego Beurre, fine specimens ; Tyson, very fine specimens ; Beurre Diel, very fine specimens, weighing 15½ ounces each ; Duchesse d'Angoulême, fine specimens ; Golden Beurre of Bilboa ; Louise Bonne de Jersey ; Glout Morceau.

J. LEWELLING, *San Lorenzo and San Jose Mission*. Duchesse d'Angoulême, four fine specimens, weighing an average of 16 ounces, largest 19½ ounces ; White Doyenne ; Orange Bergamot, very fine specimens. In all, six varieties, a good collection.

WM. O'DONNELL, *San José*. Duchesse d'Angoulême, two specimens.

L. PELLIER, *San Jose*. Three varieties : Bartlett, fine ; Duchesse d'Angoulême, fine size and appearance, five specimens, average weight 17 ounces ; California Bergamot.

L. PREVOST, *San Jose*. Two varieties: Duchesse d'Angoulême; Orange Bergamot, grown on a tree two years old; very fine specimens.

JOHN BOSCUS, *San Jose*. One variety.

O. C. WHEELER, *Sacramento*. Two varieties: Duchesse d'Angoulême, four specimens, average weight, 17½ ounces each; Louise Bonne de Jersey. These pears were grown without irrigation, and are both worthy of notice.

WM. M. LENT, *Santa Clara*. Three varieties: Duchesse d'Angoulême, two specimens on the same stem, weighing 20½ ounces each; Flemish Beauty; Native Californian. The above were grown without irrigation, and are the largest specimens grown in that way.

J. B. BONTEMPS, *San Jose*. Duchesse d'Angoulême. One three years old pear tree on quince, bearing twenty-three pears, one of which, estimated as of average size, weighed one pound.

THOMAS FALLON, *San Jose*. Duchesse d'Angoulême. Ten specimens, four of which were of an average weight of 28 ounces each—the largest on exhibition.

GEORGE C. YOUNT, *Napa*. Marie Louise, Glout Morceau, Duchesse d'Angoulême, Easter Beurre, and three other varieties. Fine specimens.

A. H. MYERS, *Alameda*. Nine varieties of pears. A fine collection.

L. BRUGUIERE, *Oakland*. Two varieties: Belle of Flanders, and Beurre Capiamont. Very fine specimens.

F. W. MACONDRAY, *San Mateo*. Van Mons' Léon Le Clerc. Four specimens; average weight, sixteen ounces each.

N. PALMER, *Alameda*. Seckle, and Beurre d'Anjou. Very fine specimens.

Your committee beg leave to submit the following schedule of awards:

To J. W. OSBORNE, for thirty-three varieties, *A Diploma.*

For Louise Bonne de Jersey, of extraordinary size and beauty,

A Certificate of Merit.

To A. P. SMITH, for fifteen varieties,

A Bronze Medal.

To J. L. SANFORD, for best Seckle pear,

A Certificate of Merit.

To O. C. WHEELER, for fine specimens of Duchesse d'Angoulême and Louise Bonne de Jersey,

A Certificate of Merit.

To WM. M. LENT, for best specimens of Duchesse d'Angoulême, grown without irrigation,

A Certificate of Merit.

To J. B. BONTEMPS, for a pear tree, three years old, with twenty-three pears, averaging sixteen ounces each,

A Certificate of Merit.

To THOMAS FALLON, for largest specimens of Duchesse d'Angoulême,

A Certificate of Merit.

To A. H. MYERS, for nine varieties,

A Certificate of Merit.

To L. BRUGUIERE, for rare specimens,

A Certificate of Merit.

Your committee deem it proper to state that Capt. F. W. MACONDRAY,

of San Mateo. exhibited twenty-eight varieties of pears, all of superior excellence ; but, being President of the Horticultural Society, he declined to compete for a premium.

All of which is respectfully submitted.

W. N. THOMPSON, }
WM. DANIELS, } *Committee.*
G. H. BEACH. }

REPORT

OF THE SUB-COMMITTEE ON PEACHES, PLUMS, ETC.

Owing to the lateness of the season, the show of fruits in this department affords no criterion by which to judge of what the country has produced. Very few varieties of peaches can, in this climate, be made to continue in perfection till this time of year. Still, your committee were highly pleased with the size, beauty, and quality of several samples, shown by the few exhibitors, to all of whom much praise is due for their efforts to fill up what many supposed must be a vacuum.

A. P. SMITH, *Sacramento*. Three varieties: Druid Hill; Heath Cling; Seedling, best peaches exhibited.

Thirteen varieties of peaches, apricots and nectarines, in jars; specimens of uncommon size and beauty: Lombard plums, three specimens.

L. PELLIER, *San José*. Nectarine, (seedling;) six varieties Peaches, (largest on exhibition,) none more than common, except one called "Late Cling," of fine appearance and excellent flavor.

JAMES HUTCHINSON, *Alameda*. Peach, (seedling,) one variety.

O. C. WHEELER, *Sacramento*. Two varieties peaches: Bergen's Yellow, from cuttings two years old, of fine flavor and appearance; Seedling, of small size, but of fine appearance and superior flavor, grown without water.

J. L. SANFORD, *Shell Mound*. Peach: One variety, name unknown; good.

CHARLES L. INGOLDSBY, *Crescent Valley, El Dorado County*. Two varieties of peaches: Orange Cling, five specimens of extraordinary size and beauty, but of ordinary flavor; average weight, 11 2-5 ozs. each, measuring 11 inches; Seedling, called Wax Cling.

JOHN BOSCUS, *San José*. Heath Cling, a very fine specimen of peach.

DR. HAILE, *Alameda*. Four varieties of peaches.

J. DELMOTTE, *San Francisco*. One variety of peach, grown at the Laguna, San Francisco.

H. J. CLAYTON, *Sonoma*. One plate of fine peaches.

J. LEWELLING, *San Lorenzo and San José Mission*. One peach ; one prune ; and plums,, Coes' Golden Drop, so-called, a very fine variety.

GEORGE H. BEACH, *Marysville*. Peaches in cans, well preserved ; Almonds, very fine flavor.

W. S. JACKS, *Napa*. Almond, one variety.

JAMES LICK, *Alviso*. Quinces, two varieties : Portugal and Orange.

CAPT. RICHARDSON, *Brooklyn*. Quince, seedling of fine appearance ; best specimen exhibited.

MR. KREMER, *Los Angeles*. English Walnuts, only specimens on exhibition.

MRS. WOODWORTH, *San Francisco*. Fig tree in bearing ; seedling from Smyrna.

J. L. SANFORD, *Shell Mound*. Strawberries, five varieties : Boston Pine ; Hovey's Seedling ; Burr's New Pine ; British Queen ; Large Early Scarlet, third crop, very fine flavor. The largest and best variety of strawberries.

H. SCHMIEDEL, *San Francisco*. Strawberries : Hovey's Seedling, third crop ; large, and of very fine appearance.

JAS. HUTCHINSON, *Alameda*. Strawberries : one variety, the Black Prince.

MONS. CROCHET, *Mission Dolores*. Strawberries : Longworth's Prolific ; very large and fine in appearance, and of excellent flavor.

We recommend the following awards :

To A. P. SMITH, for the best varieties of peaches, *A Diploma.*

For Fruit in jars, *A Certificate of Merit.*

To O. C. WHEELER, for best seedling Peach, *A Diploma.*

To CHARLES L. INGOLDSBY, for Orange Cling of extraordinary size, *A Certificate of Merit.*

To J. LEWELLING, for specimens of Plum, (Coe's Golden Drop) *A Certificate of Merit.*

To GEORGE H. BEACH, for hard shell Almonds, *A Diploma.*

To J. LICK, for Quinces, *A Diploma.*

To W. R. RICHARDSON, for Seedling Quince, *A Certificate of Merit.*

To MR. KREMER, for English Walnuts, *A Certificate of Merit.*

To MRS. WOODWORTH, for Seedling Fig-tree in fruit, *A Certificate of Merit.*

To J. L. SANFORD, for Strawberries, five varieties, *A Diploma.*

To H. SCHMIEDEL, for Strawberries, Hovey's Seedlings, third crop, *A Certificate of Merit.*

To MONS. CROCHET, for Strawberries, Longworth's Prolific, *A Certificate of Merit.*

All of which is respectfully submitted.

WM. DANIELS,
C. R. BOND,
W. N. THOMPSON, } *Committee.*

REPORT

OF THE SUB-COMMITTEE ON GRAPES.

Your committee beg leave to make the following report on the exhibition of grapes :

We found on exhibition the following varieties of grapes :

Muscat of Alexandria,	Black Hamburg,	Zinfindell,
Frontignan,	Catawba,	Black Lombardy,
Dakin's Superb,	Chasselas de Fontaine-	Wilmot's Black Hamburg,
Flame-colored Tokay,	White Syrian, [bleau,	Victoria Hamburg,
Reine de Nice,	White Rislin,	Rose Chasselas,
Black Californian, (Mis-	Royal Muscadine,	Golden Chasselas,
sion,)	Cannon Hall Muscat,	Palestine,
White Nice,	Black St. Peters,	Grizzly Frontignan,
Sweet Water,	Cannon Hall Muscatel,	Great Peruvian Rose,
Isabella,	Cashmere Seedling,	Charboneau,
Black Quintenal,	Indigenous Grape of Cal.,	Black Malvoisin.

The exhibitors were Capt. F. W. MACONDRAY, from San Mateo ; A. P. SMITH, Pomological Gardens, Sacramento ; L. PELLIER, San José ; J. W. OSBORNE, Oak Knoll, Napa ; WM. M. LENT, Santa Clara ; T. WORTHINGTON, Grass Valley, Nevada County ; THEE & LEFRAME, Santa Clara ; L. A. GOULD, Santa Clara ; THOMAS O. LARKIN, Colusi County, and M. BALMIGIER, San Francisco.

The fruit exhibited may be divided into white and black, and these into foreign and mission ; also, into fruit raised under glass, and fruit raised in the open air. By foreign, is meant those varieties introduced into our State since 1849 ; and by mission, is meant fruit raised from the old stock planted by the missionary fathers of California, from Spanish grapes brought from Mexico and Lower California since 1775, and cultivated from San Diego to Sonoma.

There can be no question as to the propriety of awarding the first premium to Capt. F. W. MACONDRAY for the splendid exhibition of white and black grapes, all raised under glass at his farm in San Mateo County. This gentleman deserves particular mention for the uncommon size, appearance, quality and weight, and for the care and taste shown in exhibiting his fruit to the public, in a manner highly appropriate and convenient.

Sixteen varieties were on show by Capt. MACONDRAY, all foreign, and about equal of white and black. They were all of the highest excellence and in prime condition, after being from the vines some seven days. One bunch of the black Zinfindell weighed four pounds ; one bunch of Wilmot's Black Hamburg weighed four and two sixteenths pounds ; one small bunch of the Cannon Hall Muscatel (white) weighed two pounds, and a bunch of the White Syrian weighed three and three fourths pounds. A small bunch of the Cannon Hall Muscatel, (white), numbering twenty-one berries, weighed five and three fourths ounces, avoirdupois. One of the berries, weighed by Messrs. Thayer & Co., gave one hundred and ninety grains, apothecary's weight. This grape is of superior flavor and sweetness, and for the table seems difficult to excel. A bunch of the

Black Hamburgs, of twenty-five berries, weighed five and a quarter ounces, and a single berry one hundred grains — the flavor excellent.

Capt. MACONDRAY deserves the thanks of the people of our State for the great interest he has taken in proving how well the grape can be cultivated in a country where the fruit is difficult to mature except under glass. After this experiment, there can be little doubt of the raising of excellent grapes under glass, with ordinary care, in any part of the State, even in the foggy, windy and dusty county of San Francisco.

A. P. SMITH, of Sacramento, exhibited fourteen varieties of grapes, all foreign and of out-door culture. Though smaller than Mr. MACONDRAY'S they were all of excellent quality and flavor.

L. PELLIER, of San José, exhibited nine varieties of foreign grapes — unequalled by any others of same varieties on exhibition.

J. W. OSBORNE, Napa, fifteen varieties, and Wm. M. LENT, Santa Clara, four varieties. All foreign and of very fine flavor. The show of fruit from Mr. OSBORNE is very fine ; it is all grown out-doors and without irrigation. The White Muscat of Alexandria is remarkably fine and luscious, and the Tokay large and very juicy.

T. WORTHINGTON, Grass Valley, Nevada, a small lot of very fine flavored Catawbas.

THEE & LEFRAME and L. A. GOULD, both of Santa Clara, exhibited several bunches of very fine flavored California Mission grapes, of the black variety.

A vase of the indigenous grape of California was exhibited by Mr. FREDERICK LARKIN, from his father's rancho on the Sacramento river, sixteen miles above Colusi. The grape is black and small and the flavor sweet and pleasant, and Mr. LARKIN, we consider, is to be commended for his thoughtfulness in bringing forward this offering of his native soil, as showing that California has indigenous varieties of the grape, deserving the attention of our horticulturists. There are said to be several species of the indigenous grape of California. It is found in great abundance on the Sacramento and San Joaquin rivers and their confluents. It is most likely that these grapes may form the stock of a cultivated fruit as much in harmony with our climate and soil as that of the celebrated Catawba of Longworth, of Cincinnati, which now furnishes such abundant, excellent and profitable wines to our western people.

In conclusion, your committee take pride in proving that California is beyond question one of the best, (if not the very best), wine-growing countries in the world. The grape is cultivated from San Diego to Shasta, and in favorable localities all along the coast, from Monterey to Crescent City. The business of wine-making is making rapid progress in Los Angeles, and the houses of Messrs. SANSEVAINÉ BROTHERS, Messrs. KOHLER & Co., Messrs. KELLER & Co., and Messrs. McDUGAL & Co., are now largely engaged in the manufacture of wine of all qualities and classes. The wine made for sale is all from the Mission Grape of Los Angeles. Brandy of a superior quality is also made, and is every day coming more into use by our people, and is preferred on account of its purity and freedom from filthy and poisonous drugs.

When it is remembered that the grape grows to the greatest perfection next to the very placers of gold — that some ten millions of acres of land in our

State can be cultivated in this noble fruit—that the commercial value of the products of the grape trade in Europe is worth two hundred and two millions of dollars, and employs some five millions of people in making wines, brandies, raisins, tartar, and in an infinitude of trades as coopers, coppersmiths, carpenters, glass makers, cork cutters, etc., and also employs a commercial marine of some two thousand ships, it will be seen what a glorious prospect of advancing power and greatness the cultivation of this ancient and valued fruit opens to our State. It is absolutely as valuable and as feasible a mine of wealth to us, as our mines of gold, silver, copper and quicksilver, besides being a more grateful and humanizing employment.

The grape has been cultivated and excellent wine made in this country since the foundation of the Missions by Padre Junipero and his coadjutors. For seventy years no other wine was drunk in the country but native wine, if we may except a wine playfully called champagne. And we are happy to say that very excellent, healthy and undoubted champagne wines are now manufactured by the MESSRS. SANSEVAINÉ from their vineyard in Los Angeles, these gentlemen having obtained workmen and machinery of the best kind from France, during the present year, and expecting to have for sale by December, 1858, as many as one hundred thousand dozens of wholesome champagne, pure and at a reasonable price.

Your committee would therefore respectfully recommend the following awards:

To F. W. MACONDRAY, for sixteen varieties of foreign Grapes, grown under glass, size extraordinary, *A Diploma.*

To J. W. OSBORNE, for best fifteen varieties of foreign Grapes grown in the open air and without irrigation, *A Diploma.*

To A. P. SMITH & BROTHER, for fourteen varieties of foreign Grapes, grown in the open air. *A Bronze Medal.*

All of which is respectfully submitted.

ALEX. S. TAYLOR, } *Committee.*
J. L. SANFORD, }

REPORT

OF THE COMMITTEE ON POT-PLANTS AND FLOWERS.

The Committee appointed to examine and award premiums on Plants and Cut Flowers, would report the following:

PLANTS.

Two contributors. Largest and rarest collection, that of W. C. WALKER, Esq., Golden Gate Nursery.

Largest display of plants in general cultivation, that of J. O'DONNELL, United States Nursery.

MR. WALKER'S collection embraced the following varieties: *Acacia lanceolata*, *A. tennifolia*, *A. lophantha*, *A. Lanii*, *A. lophantha retusa*, *A. Dicksonii*, *A. salicifolia*, *A. armata*, *A. graminea*, *A. latifolia*, *A. longifolia*, *A. Knowlii*, *A. dealbata*, *A. pulchella*, *A. linearis*, *A. disfolia*, and four species not named, *Cassia decota*, *Cryptomaria japonica*, *Salvia splendens*, *Magnolia grandiflora*, *Solanano* sp., *Streptocarpus Rexii*, *Cactus Jenkinsonii*, *Heliotrope* 2 sp., *Cestrum diurnum*, *Sedum Sieboldii*, *Sedum* sp., *Abelia floribunda*, *Catesetum arboreum*, *Bovardia triphylla*, *Rochea falcata*, *Diosma* sp., *Vinca rosea*, *Fuchsias*, fifteen varieties, *Juniperinus funibris*, *Cyclemen persicum*, *Cestrum aurantiacum*, *Metrocedrus lanceolata*, *Lobelia erinus*, *Plumbago capensis*, *Phlobothia tubiflora*, *Myrtle*, *Cactus monstrosa*, *Melocactus lutea*, *Mamelaria*, two sp., *Melocactus* sp., *Euphorbia splendens*, *Vinca alba*, *Epiphyllum truncatum*, *Cactus flagilliformis*, *Cerias grandiflora*, *Mamansia* sp., *Myoporum arboreum*, *Lobelia erinus grandi*, *Tecoma capensis*, *Stevia serrata*, *Cytisus ovata*, *Lotus jacobea*, *Hare's-foot Fern*, *Gloxinea purpurea*, *G. rubra*, *G. Cartonii*, *G. Alba*, *Salvia patens*, *Myoporum* sp., *Nerium splendens*, *Passiflora paniculata*, *Escolonia variegata*, *Hoya carnos*, *Maurandia Barclayana*, *Solleya heterophylla*, *Arabian jasmine*, *Adiantum Concinium*, *Hibiscus arborea*, *Akenia Molle*, *Dove plants*, *Agapanthus umbellatus*, *Pomegranate*, *Oxalis Bowii*, *Coronella glanca*, *Thunbergia amantiacum*, *Lantana mixta*, *White Geranium*, *Clerodendron fragrans*, *Casserina* sp., *Hoya Bella*, *Apple Geranium*, *Celesto fig*, *Cactus speciosissima*, *Daviesia latifolia*, *Eucaleptus linearis*, *E. sp.*, *E. red gum tree*, *Abutilon vauestus*, *Cestrum nocturnum*, *Lophospermum scandens*, *Chinese Fig*, *Calla ethiopica*, *Begonia manicata*.

Much praise is due to Mr. Walker for introducing to this State many of the above varieties of flowering and ornamental plants. The *Acacias*, that beautiful family of plants, attracted the special attention of your committee, being the largest collection ever exhibited in California, and many of them of rare excellence. Two very fine plants of the *Cryptomeria japonica*, so much prized by the lovers of the ornamental in Europe, received our marked attention.

Mr. O'Donnell's collection embraced the following: Two *Ceanothus*, nine *Camelia japonicas*, four *Arborvitæ*, nineteen *Fuchsia*, (five varieties), one *Laurestinus*, ten *Fabianus*, one *Cactus*, twenty *Heliotropes*, (four varieties), six large *Roses*, (four varieties), one *Honeysuckle*, two *Aloysia citriodora*, eight *Justicea carnea*, two *Myrtles*, six *Plumbago capensis*, four *Varonicas*, eight *Australian acacias*, five *Abutilon*, (three varieties), one *Cypress tree*, one *Acacia* sp., four *Hybrathamnus*, four *Passifloras*, twelve *Geraniums*, (five varieties), one *Pittosporum*, one *Crinum*, one *Aucuba japonica*, two *Calla lilies*, two large moss roses, two *Dolichos*, one *Jasminum grandiflora*, two *Euonymus communis*, one *Brugmansia*, one *Cytisus*, one *Rochea falcata*.

The principal feature in this collection was the immense size of some—the *Cytisus*, or Spanish Broom, with its yellow odoriferous blossoms reaching ten feet. Two plants of the native shrub *Ceanothus*, trimmed into a beautiful round head, one white *Camelia* in flower, a very fine well-grown plant of that beautiful hardy evergreen shrub, *Laurestinus*, loaded with flowers, were in this collection.

CUT FLOWERS.

ROSES,—Two contributors. Largest collection, that of W. C. WALKER, Esq., Golden Gate Nursery.¹

Finest display, that of J. O'DONNELL, Esq., United States Nursery.

DAHLIAS.

Best collection, that of W. C. WALKER, Golden Gate Nursery.

Second best, that of J. O'DONNELL, United States Nursery.

BOUQUETS.

One Bridal and one Vase Bouquet, by J. O'DONNELL; also, two vases filled with flowers, and a general assortment of cut flowers, among which were four varieties of Honeysuckle.

MR. W. C. WALKER exhibited two vases of seedling Pansies, many of them very fine, and a fine assortment of ten week stocks.

MR. L. SANFORD, Shell Mound Nursery, exhibited four varieties of Herbaceous Phloxes, which were the finest we have seen in California. Also, one large spike of the beautiful *Erythrina Cristi galli*, grown out of doors. Also, a bouquet, in the centre of which was a fine cluster of tuberose flowers.

MR. L. RICHARD, florist, exhibited some beautiful fancy flower-baskets, and rustic flower-stands.

A plant of the beautiful evergreen native shrub *Ceanothus*, trimmed in the shape of an arm-chair, (from the garden of R. C. PAGE, Esq.,) by LAURENCE O'ROURKE, received the special attention of your committee; and we are more than ever convinced that there are few shrubs that will bear trimming so well as the above.

A. H. MYERS, Esq., Pioneer Nursery, Alameda, exhibited two seedling varieties of fancy Geraniums, one of which was very fine.

A vase of Wax Flowers, by MRS. HOWELL, was much admired by your committee. The Passion Flower, White Camelia, Rose, Pink, Narcissus, Fuchsia, and many others, were more truthfully imitated than we have ever seen.

MR. G. LEE, Oakland, exhibited a flower of the *Cereus grandiflora*, or Night-blooming Cereus, preserved in alcohol—the first that blossomed in California.

Another *Cereus grandiflora*, preserved in alcohol, from the nursery of HENRY A. SONTAG, Esq., which blossomed at Little & Co.'s Apothecaries' Hall.

Also, two jars, by MRS. O. C. PRATT, San Francisco, containing a White Camelia, White Roses, Fuchsias, Tuberose, Gardenia florida, Hoya Carnosa, and *Clerodendron fragrans*, in a good state of preservation.

Your committee would recommend the following gratuities:

MR. J. HUTCHISON, Alameda, exhibited twenty-six varieties of seedling Dahlias, the growth of 1856 and 1857, many of which were first-rate. Also, flowers of a new climbing plant, known as *Phaseolus Caracola*, or Snail Flower, well worthy of notice. Also a shoot of *Cactus Jenkinsonii*, with four blossoms, from a plant which produced one hundred last spring. We, SMITH and REIMER,

members of the committee, would recommend to J. Hutchinson a special premium for seedling Dahlias.

LAURENCE SMITH,
EDWARD REIMER.

MR. D. NELSON, overseer of the Golden Gate Nursery, exhibited a Model Cottage, with conservatory, in front of which was a beautiful and well executed design of a lawn, in the centre of which was a fountain playing, which must have cost much labor, and deserves much credit, for the handsome manner in which it is got up.

We recommend the following awards :

To WM. C. WALKER, Golden Gate Nursery, for the largest and rarest collection of Plants, *A Diploma.*

To J. O'DONNELL, United States Nursery, for the largest display of plants in general cultivation. *A Bronze Medal.*

To WM. C. WALKER, for the largest collection of Cut Roses, *A Diploma.*

To J. O'DONNELL, for the finest display of Cut Roses, *A Bronze Medal.*

To WM. C. WALKER, for the best collection of Dahlias, *A Diploma.*

To J. O'DONNELL, for the second best, *A Bronze Medal.*

To J. L. SANFORD, for Herbaceous Phloxes, &c., *A Certificate of Merit.*

To L. RICHARD, for Fancy Flower Baskets and Rustic Flower Stands, *A Certificate of Merit.*

To LAWRENCE O'ROURKE, for the native shrub Ceonothus, trimmed into the shape of an arm chair, *A Certificate of Merit.*

To D. NELSON, for a Model Cottage, with lawn and flower garden, *A Certificate of Merit.*

To J. HUTCHISON, for a collection of Seedling Dahlias, *A Certificate of Merit.*

To A. H. MYERS, for Seedling Geraniums, (very fine,) *A Diploma.*

To MRS. HOWELL, for Wax Flowers. *A Certificate of Merit.*

All of which is respectfully submitted.

JAMES HUTCHISON, *Chairman of Committee.*

We, the undersigned, agree to the above, with the following exception : both agreeing that Mr. Walker has the largest and rarest collection of plants, but that Mr. O'Donnell has the largest display of plants in general cultivation.

We also agree that Mr. Walker has the largest collection of roses, but that Mr. O'Donnell has the finest display.

EDWARD REIMER, }
LAWRENCE SMITH, } *Committee.*

REPORT

OF THE COMMITTEE ON VEGETABLES.

The undersigned, your Committee appointed to examine the Vegetables now on exhibition at the Fair, beg leave to report as follows :

We find, that in consequence of the impression having gone abroad among the horticulturists throughout the State, that the Fair was intended more especially for an exhibition of the products of the mechanical arts, the cultivators of the soil generally have not brought forward samples of their produce as freely as was desired. Nevertheless, some have done so ; and we find many productions capable of sustaining the reputation of the soil and climate of California, and creditable to the skill and industry of the growers. We feel assured, that had invitations generally been extended to the people engaged in tilling the soil, we should have found such a variety of the vegetable kingdom exhibited, as would have been gratifying in the highest degree to all who are interested in the development of the resources of California. The first article of produce of which we shall speak will be the

POTATO.—Of this esculent, we find on exhibition samples of three varieties. Of these, the best undoubtedly for general use is the *Boston Pink*, raised by D. L. PERKINS, Esq., of Alameda. They are small in comparison with the common *Oregon Red*, so extensively cultivated on this coast, being on an average little more than half the size ; but are firm, smooth, and appear to be entirely free from that coarse and stringy nature which characterizes the great mass of the potatoes grown in California. The greatest evil attending the culture of potatoes in California, appears to be the disposition to grow larger and larger every succeeding year ; and as they increase in magnitude, they also become coarse, hollow, and stringy. Against this tendency the California agriculturist cannot too carefully guard ; nor should he allow himself, in his exultation over enormous crops and proportionate gains, to shut his eyes to the sacrifice of the very quality which constitutes the real value of the article. We would recommend this potato to the notice of the farmers, as perhaps combining all the good qualities of the *Hobart Town* or the *Oregon Red*, without the objection of their mammoth proclivities ; and would add that with the soil and climate of California there is very little danger of growing potatoes too small, while we know that three fourths of the potatoes brought to San Francisco market are so coarse and overgrown as to be unfit for table use, and the only excuse offered by those engaged in the sale of them, is “ that they sell the best for the mines and to the restaurants,” as if miners and restaurant boarders possessed the digestive organs of the ostrich. We think the day is not far distant when miners, restaurant boarders, and possibly even “ lunch eaters,” will discover and assert the common and indefeasible rights of humanity, and that mammoth potatoes, overgrown beets, and monster turnips will, by common consent, be voted to the cabinets of the curious and the stomachs of hogs, for which they were originally designed. There is also a sample of *Lady's Fingers*, from the same grower, which are very fine ; also, a lot of *Ash Leaf Kidneys*, purporting to be from English seed, and

exhibited by Mr. B. RICHARDSON, of this city, which are deserving of praise. The disposition to cultivate these fancy varieties of potatoes, seems to be on the increase, and we would like to see them still better known, as they possess many excellent qualities and are particularly adapted to family use, where the distance of transportation is not too great.

SQUASHES.—The best quality presented was from the farm of D. L. PERKINS, Esq., Alameda County. They are of the *Marrow Fat* variety, from seed imported the present year. This vegetable, either from peculiarity, climate or soil of California, or from inattention or incompetency on the part of the farmer, appears to be particularly liable to degenerate into the mammoth species. This is so strikingly the case, that at the end of the fourth or fifth year the quality has so changed as not only to be no longer recognized, but in many instances to be absolutely worthless. We would recommend to the agriculturist greater care in preventing the mixing of the varieties, by planting them at greater distance from each other, in order to, if possible, obviate the necessity of importing fresh seed every year from the Atlantic States. We find also one of a mongrel variety from the Santa Clara Nursery, of enormous size, weighing near two hundred pounds. This squash is well worthy of notice as evincing the extraordinary richness of the soil of California. Also, some mixed varieties from the garden of D. L. PERKINS, and some *Yankee Pumpkins* from the same grower.

BEETS.—We find some fine samples exhibited by Mr. O'Donnell, of the United States Nursery, of the turnip variety, which are entitled to great praise. Also, a lot from D. L. PERKINS, of Alameda; and a lot which we put down as No. 3, but very good, from M. A. GOULD, of the Santa Clara Nursery. Of Blood Beets we have one lot from D. L. PERKINS.

Sugar Beets.—The best lot exhibited are from the Santa Clara Nursery, by M. A. GOULD, Esq. Also, a good lot from D. L. PERKINS. We hope to see this root extensively cultivated in this country, where it seems to grow so thriftily, and would invite the attention of agriculturists to it as a source of great profit. There is no doubt but that ground can be employed with vast profit in the culture of this root for the manufacture of sugar. Mr. LUCIAN, of San Mateo County, has found that the Sugar Beets raised by him last year, brought him an average of fifteen cents each net profit, by having them distilled and manufactured into alcohol. But our time will not permit us to say more upon this most interesting subject.

INDIAN CORN.—The best lot exhibited is by H. J. CLAYTON, Esq., of Sonoma Valley. The sample sent by Mr. CLAYTON would be creditable to any of the corn-growing states of the great West. The grain is full, plump and completely filled out, and what is still more important, entirely free from worms. Whether this is in consequence of any peculiarity in the seed or of the locality in which it was raised, we were not informed. The greatest enemy to the corn plant, in this State, is undoubtedly the worm, and any information calculated to throw light upon this subject, would be of vast benefit to the agricultural interests of this country. If it would not be assuming more than our position and duties justify, we would recommend that the Society take steps to secure united action among the farmers for the attainment of such information as would enable the corn-growers to rid their crops of these insidious destroyers. We also found a lot of corn from Messrs. TORRENCE & PARKER, of the Bank Exchange, grown on

the Parker Ranch, near Stockton. This specimen has reached the great height of seventeen feet. It has hitherto been thought that the soil and climate of California were not suitable for the growth of corn, but the samples before us would seem to be proof sufficient that at least certain parts of the State are eminently adapted to its culture. We also found a lot of *Sweet Corn* and a small lot of *Flint Corn*, from D. L. PERKINS, Esq., Alameda, which were deserving of especial notice. As an instance of the work of the corn-worm, we observed that while the sweet corn grown by Mr. PERKINS seemed to be almost destroyed by worms, the flint corn was entirely untouched by them. This fact alone would seem to lead us to hope that the evil was not without remedy, and we have very little doubt but that much might be done towards increasing the growth of corn in this State, by substituting such varieties as are not molested by the worms. Of *Broom Corn*, there were several fine lots exhibited by Messrs. C. W. & G. W. ARMES, but we were unable to obtain any information as to what sections of the country they were raised in. We saw enough, however, to convince us that no climate or soil in the world can be better adapted to the growth of this plant than California, and hope in a few years to see the manufactured article extensively exported from this State.

HOPS.—Two fine lots of this product are on exhibition, one from Dr. H. HAILE and the other from Mr. J. H. HOBART, both of Alameda. Both lots are good. As to the growth of hops in this State, very little need be said, as it has long been an established fact that no country can excel California in their production.

CHINESE SUGAR CANE.—Two lots of this article were exhibited, one by JOSHUA CHILD, of Alameda County, and the other by Mr. GOULD, of the Santa Clara Nursery. This plant seems to thrive well here, and to judge from the samples before us, must eventually be extensively raised in this country. Too much praise cannot be awarded to these gentlemen who have with so much enterprise made this experiment and introduced this plant to our State. More credit is due to the individual who imports the seed and raises one stock of sugar cane, cotton, tea, or other valuable exotic, than to the man who, with careless indifference or selfishness, scatters the seed and waits for the over-fruitful soil to send forth tons of monster beets, over-grown pumpkins or hydra-headed cabages.

BEANS.—Three lots on exhibition, by D. L. PERKINS, of Alameda County. They are very fine, and all new varieties to this country. They are deserving of notice.

PEAS.—Two samples from D. L. PERKINS; one of the Marrowfat, and one of the Queen of Dwarf variety. Both of excellent quality, and deserving of notice.

TURNIPS.—Some very fine ones are exhibited by P. M. BROOKS, Esq. They are of the white Dutch variety, and weigh, on an average, twenty pounds each.

CABBAGE.—One Drum-Head, from D. L. PERKINS; also, one Savoy, from the same gentleman, both worthy of particular notice. Also, a lot of Scotch Kail, from the same.

RHUBARB.—Of this excellent material for pies there are several lots, but the finest is from Messrs. BAILY & COOK, of Brooklyn, Alameda County. It is very large and fine.

The foregoing, we believe, are all the products which we think deserving especial notice. Some few monsters, in the way of overgrown or monstrous Rad-

ishes, Cabbages, &c., are exhibited, but not, we think, with any other motive than to surprise the people by remarkable phenomena.

In view of all the circumstances, we suggest the following list of awards :—

To D. L. PERKINS, for best variety of Potatoes,	<i>A Diploma.</i>
To B. RICHARDSON, for second best variety,	<i>A Bronze Medal.</i>
To D. L. PERKINS, for best quality of Squashes,	<i>A Diploma.</i>
To D. L. PERKINS, for greatest variety of Beets,	<i>A Diploma.</i>
To J. O'DONNELL, for second greatest variety,	<i>A Bronze Medal.</i>
To M. A. GOULD, for best Sugar Beets,	<i>A Diploma.</i>
To H. J. CLAYTON, for best lot of Indian Corn,	<i>A Diploma.</i>
To D. L. PERKINS, for Flint and Sweet Corn,	<i>A Certificate of Merit.</i>
To C. W. and G. W. ARMES, for Broom Corn,	<i>A Diploma.</i>
To H. HAILE, for finest lot of Hops,	<i>A Diploma.</i>
To J. A. HOBART, for second finest lot,	<i>A Bronze Medal.</i>
To JOSHUA CHILD, for Chinese Sugar Cane,	<i>A Certificate of Merit.</i>
To M. A. GOULD, for “ “ “	<i>A Certificate of Merit.</i>
To D. L. PERKINS, for three lots of Beans,	<i>A Diploma.</i>
To D. L. PERKINS, for two samples of Peas,	<i>A Diploma.</i>
To P. A. BROOKS, for fine Turnips,	<i>A Diploma.</i>
To D. L. PERKINS, for best varieties of Cabbage,	<i>A Diploma.</i>
To BAILEY & COOK, for finest lot of Rhubarb,	<i>A Diploma.</i>

All of which is respectfully submitted.

J. FRANK SWIFT,	} <i>Committee.</i>
H. GUSHEE,	
J. L. SANFORD,	

P. S.—Since closing our report our attention has been called to three large Squashes, raised by Mr. E. CHAUNCEY, of Alameda County. They are finer than any thing in that line exhibited in the fair, and worthy of the highest praise.

Also, some fine Onions, from Half Moon Bay, which are good.

We regret that these articles had not been brought forward earlier, so that we could have embodied a notice of them in the report, as they were well worthy of it.

All of which is respectfully submitted.

J. F. SWIFT,	} <i>Committee.</i>
J. L. SANFORD,	
H. GUSHEE,	

MAJORITY REPORT

OF THE COMMITTEE ON WINES.

The undersigned, a majority of the committee appointed to decide upon the relative merits of California wines and brandies, produced from the grape, submitted to their judgment, beg leave to report :

That the only wines and brandies delivered to them, were from the county of Los Angeles, and came from the vineyards, respectively, of Messrs. SAINSEVAIN BROS. and KOHLER & FROHLING.

The wines submitted by Messrs. SAINSEVAIN BROS. were of the vintage of 1855, and those by Messrs. KOHLER & FROHLING, of that of 1856. This discrepancy of age, made it difficult for the committee to decide with much precision with respect to their relative merits. However, after a most careful investigation, they concluded to decide that the premium for the best white and red wines, and the variety called "Angelica," should be awarded to Messrs. KOHLER & FROHLING, though between the red wines there was found to be but little difference ; and for the best brandy to Messrs. SAINSEVAIN BROS.

There were several other wines presented to the attention of the committee, not for the purpose of competition with any other wine, but simply as specimens of California production. Amongst others there was a white wine of the vintage of 1842, from the vineyard of DON LUIS VIGNES, of Los Angeles, extremely luscious and having, as a dessert wine, many of the characteristics of "Muscat de Frontignac."

The committee confess, with pleasure, their surprise at the excellent quality of the wines presented for their judgment, and believe, with a few years' experience, we will produce wines which will be highly esteemed throughout the Union.

There is one reflection which the committee take the liberty of suggesting to the cultivators of the soil in California, which is, that it will be very difficult under any circumstances, or in any reasonable lapse of time, for the production of wine in this State, to exceed the demand for consumption, which we may confidently expect to be steady, increasing and remunerative, as the producer will have the immense home market of all the States of the confederacy ; and the result of his labor is an article that improves by age, and is cheaply and conveniently transported ; besides, there are many varieties of it, that are greatly enhanced in value by the agitation inseparable from the act of transportation itself.

Therefore the careful and prudent wine-grower in the highly favored region of California, need have no apprehension of overdoing his business ; whereas, the production of apples, pears, and in fact all fruits, that are raised merely as edibles, can easily be carried to a point where it will cease to repay the honest labor of the cultivator. Hence the vast superiority of the vine as a permanent object of his attention.

It would give the committee pleasure to dwell upon the advantages of this species of culture, as well to the individual as to the State at large, but they

deem that such a labor is not expected of them, and that perhaps they have already surpassed the limits of a simple report.

The majority of the committee recommend the following awards :

To KOHLER & FROHLING, for White, Red and Angelica Wines, *A Diploma.*

To SAINSEVAIN BROS., for White, Red and Angelica Wines,

A Bronze Medal.

To LUIS VIGNES, for White Wine, of the vintage of 1842,

A Certificate of Merit.

To SAINSEVAIN BROS., for best Brandy,

A Diploma.

To KOHLER & FROHLING, for Brandy,

A Bronze Medal.

To GEN. M. G. VALLEJO, for superior Wine, vintage of 1856,

A Certificate of Merit.

All of which is respectfully submitted.

FREDERICK A. SAWYER,	} <i>Maj. of Committee.</i>
J. B. BAYERQUE,	
E. D. HEATLEY.	

MINORITY REPORT

OF THE COMMITTEE ON WINES.

The undersigned, a minority of the committee of five who examined the wines that had been deposited at the Exhibition, regret that they do not fully agree with the other members thereof.

Of the White Wines presented, that of Messrs. KOHLER & FROHLING, although marked 1856, resembled very closely a good Sauterne Wine, much above the ordinary quality. The White Wine of Messrs. SAINSEVAIN, BROS., of 1855, was a fair specimen of the white wines of the country. It had its peculiar characteristics, and with the age ordinarily given to wines before use, must become a popular wine throughout the United States. Of these two wines, the former was the better wine.

Of the red wines presented, the one which most pleased the undersigned was that of Messrs. Sainsevain Bros., of vintage of 1855. It was a highly-flavored, nutty wine, of very full body. This wine, with five or six years age, will compare very favorably with Burgundy, and will become a great favorite amongst the lovers of that choice wine.

The red wine of Messrs. Kohler & Frohling, although resembling the red wine of Messrs. Sainsevain Bros., was not considered a perfectly pure wine.

In the report upon the brandy and Angelica wines, we agree with the other gentlemen who acted with us.

The committee were most agreeably surprised in finding before them no less than seven different, distinct classes of wines, resembling Sauterne, Sherry,

Claret, Burgundy, Port, and Muscatel, and all of them vastly superior to what they had anticipated.

Although not brought officially before the committee, the undersigned would refer to the progress now making in the production of wines. The Messrs. Sainsevain have, at a very heavy expense, examined personally all the favorite wine districts of France; and, feeling satisfied that as choice wines can be produced in California as in any portion of the world, have brought to this State some of the most experienced persons that could be procured in France; and they have imported all of the latest improved machinery used in its preservation.

Under the supervision of these experts, they have already bottled over fifty thousand bottles of "Sparkling California" Wine, which the undersigned are convinced, from actual trial, will result in complete success.

Besides their vineyard in Los Angeles, the Messrs. Sainsevain planted, more than three years since, forty-five thousand vines near San Jose, making the entire number of their vines one hundred and twenty-five thousand; which will yield in a few years, an annual production of one hundred and fifty thousand gallons of wine.

A German company of fifty persons have purchased one thousand acres, near Los Angeles, and propose to plant 500,000 vines.*

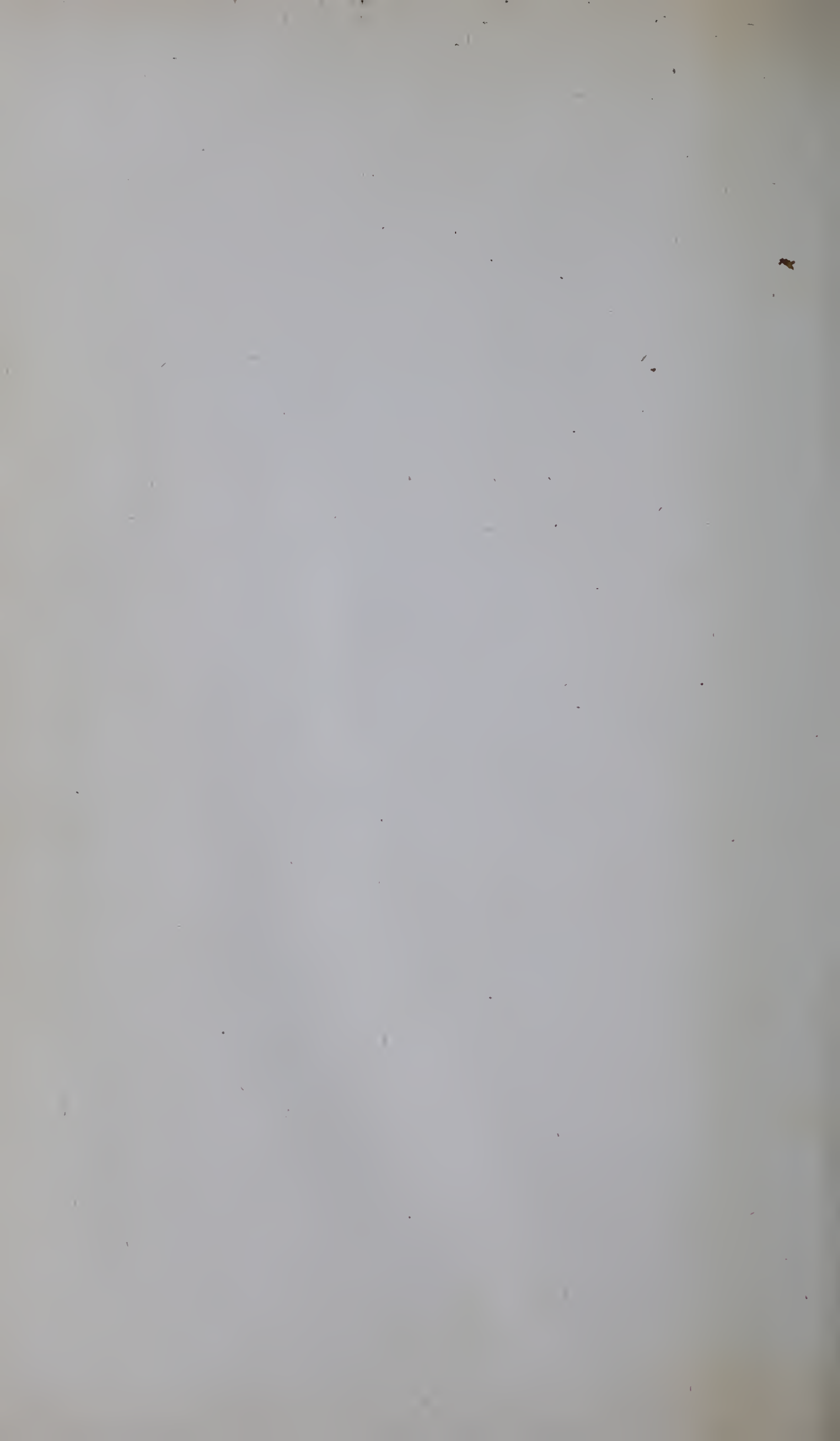
We do not think it necessary to dwell upon the fact, that all the wines heretofore produced were made by inexperienced persons, and without expectation of wine being an important product of the country. But the subject has become of great interest, and already proper means have been taken to secure all the benefits that experience and our superior natural advantages entitle us to.

In conclusion, the undersigned would award the first premium to Messrs. SANSEVAIN BROS., who are preëminently the pioneers in producing wines in California. The second premium they would award to Messrs. KOHLER & FROHLING, and special premiums, as designated in the report of the majority.

All of which is respectfully submitted.

HENRY M. NAGLEE, } *Min. of*
SAM'L HERMANN, } *Committee.*

* Mr. William Wolfskill has 60,000 vines, and produces annually 16,000 gallons of wine. Mr. Wilson has 20,000 vines, and many have vineyards of from 5000 to 20,000 vines.



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